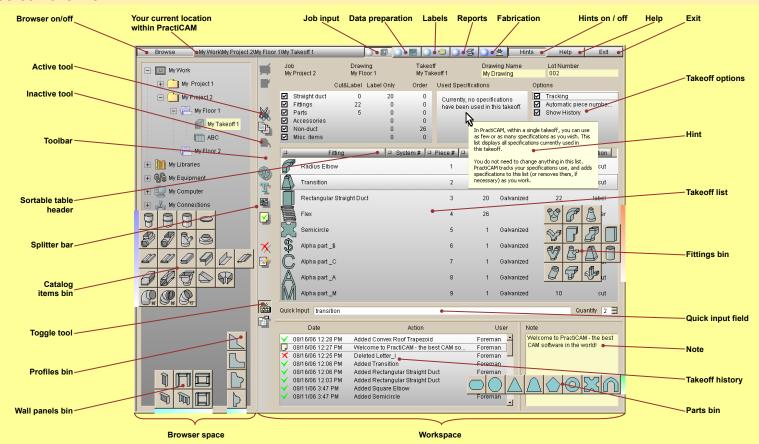
Screen overview



Help & Hints

To open a Help window, click Help button or press F1 key.

To see a Help topic for your Browser, make your browser space active (move your mouse cursor over it), and then activate Help. for your Workspace, make your workspace active (move your mouse cursor over it), and then activate Help.

Help

Context-sensitive Help If you keep your Help window open, as you move around PractiCAM, the Help window will display Help relevant to your place within **PractiCAM**.

Expanded Hints To show or hide expanded hints, use **Hints button**.

Online Help Make sure your computer has an Internet connection, then select **Browser: My Connections: MetaLab.**

Hints

Software request If your computer is capable of sending e-mails, select **Browser: My Connections: Software Request** and send us a request or a report with all necessary data automatically attached. You can also print this report, and FAX or mail it to us.

Browser

Browse

The Browser is a tree-like view of all **PractiCAM** objects – everything that you can create, view, modify and use. The Browser itself can be opened or closed (hidden) by clicking the **Browse button**.

To select an item in the Browser tree, please use a single mouse click (usually, the left button)

To expand or contract a group item without selection, use +/- sign next to Item Name + left click with selection, Item Name + left click use

You can use drag-and-drop feature with any item in the Browser.

My Work

Browse All your jobs, drawings and takeoffs in a single tree-like structure, including information about your lot and scrap inventories, work history, and labor costs for your entire shop.

All drawings and takeoffs related to the job. Provides information about lots and estimated cost Job associated with the job. Drawing A group of takeoffs. Stores information about lots and estimated cost associated with this group. Everything you make. Here you create and modify all your products, prepare them for manufacturing, Takeoff create labels and reports for them, and fabricate them by using your equipment.

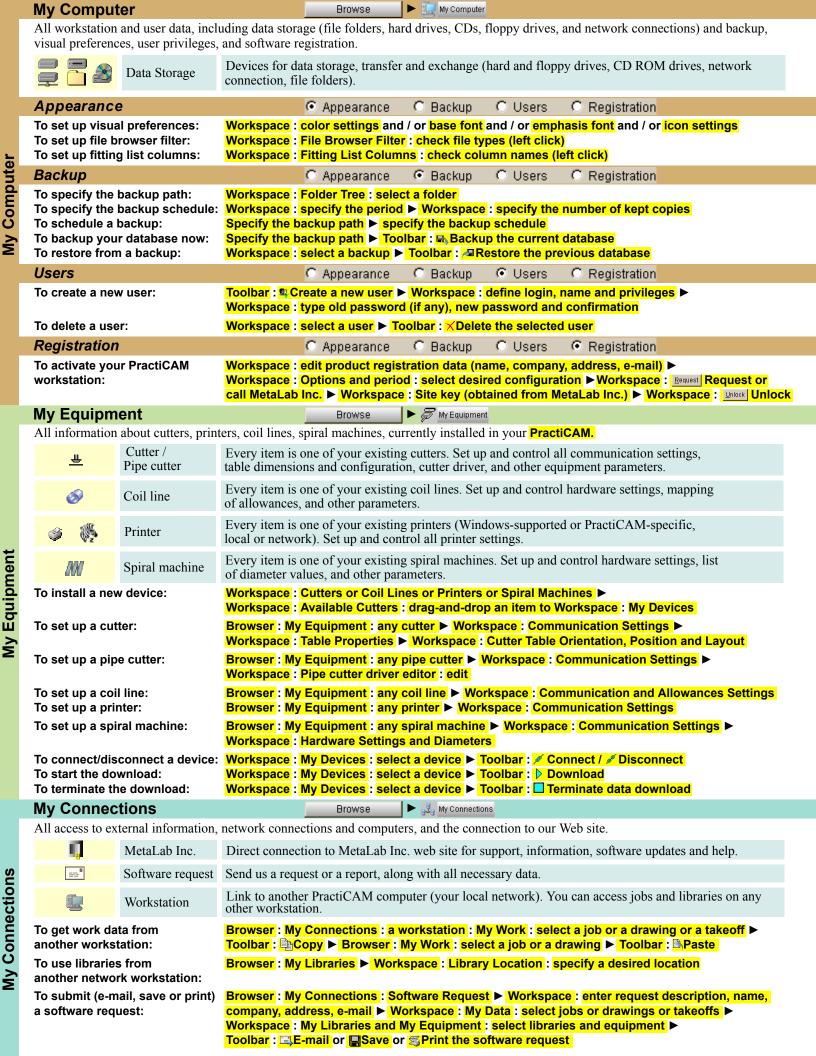
My Work

Browser: My Work ► Toolbar: Create a new job ► edit field ► Enter key To create a job: To create a drawing: Browser : Job ▶ Toolbar : — Create a new drawing ▶ edit field ▶ Enter key Browser: Drawing ► Toolbar: @Create a new takeoff ► edit field ► Enter key To create a takeoff:

To delete an item: Browser: select a job or a drawing or a takeoff ▶

Toolbar: XDelete the selected job or drawing or takeoff ▶ Dialog Box: Yes

Browser: select a job or a drawing or a takeoff ▶ extra left click ▶ edit field ▶ Enter key To rename an item:



Fitting Locator

PractiCAM Single Wall

+ PractiCAM Double Wall i Simplified Duct

My Elbows
Radius Elbow
Radius Tap

Square Elbov

My Transitions

Transition

Lockformer

🛨 🎹 Cyber

Custom

Ŧ

← Fitting Bins

✓ PractiCAM Single Wa

FABBARANDODOBBARANDOP

Open 2 Piece Box (Rectangular) (Lockformer Library)

Fitting

Fittina

Unlock

Dock

Bin

caption

Preview

Change

docking alignment

Custom

area

(to turn off

bin docking)

(to position

the bin along

screen side)

a chosen

libraries

Extensive **PractiCAM** fitting libraries (over 2000 items) can be organized into working bins to optimize your workflow. A fitting bin is a custom selection of fittings, assembled by you.

Fittina Bins

Fitting Bins You can have as many bins as you want, and every bin can have any

configuration. Any bin can be floated, or it can be docked. When a bin is docked: During data input, it is positioned along a screen side you can slide it along the screen side, and moving your mouse cursor over the bin caption will open and close the bin.

When a bin is floated: During data input, it can be positioned anywhere on the screen by dragging it into a desired position, and can be opened / closed by using a toggle button on the bin caption. Once a bin is open, you can select any bin element by clicking on it once.

Your custom fittings could be organized in custom library to tree view structure. You can create branches and place custom fittings anywhere you want.

To create a bin: Toolbar : ☐ Create a fitting bin ►

> Workspace : Fitting Bins : type the bin name or

Workspace: Fitting Libraries: drag-and-drop a fitting item or a selected group of items into any empty space within

Workspace: Preview area or within Workspace: Fitting Bins

To dock a bin: Workspace : Preview area : select a floating bin ► Workspace : Preview area : d Dock

To change the alignment Workspace : Preview area : select a bin ▶ Workspace : Preview area : @Unlock (if docked) ▶ of a docked bin: To float a bin: Workspace : Preview area : select a bin ▶ Workspace : Preview area : ⓐUnlock (if docked) ▶

Workspace: Preview area: drag the bin caption

To add a fitting to a bin: Workspace : Fitting Bins ► Workspace : Fitting Libraries : drag-and-drop a fitting item (or a group

of items) into Workspace: Fitting Bins or into Workspace: Preview area

Workspace : Preview area : select a fitting ▶ Workspace : Preview area : drag-and-drop the fitting To move a fitting within a bin:

Workspace : Preview area : select a fitting ▶ Workspace : Preview area : drag-and-drop the fitting To delete a fitting from a bin:

outside Workspace: Preview area or

Workspace : Fitting Bins : select a fitting ▶ Toolbar : XDelete the fitting bin / item

To delete a bin: Workspace : Fitting Bins : select a bin ▶ Toolbar : XDelete the selected fitting bin / item

To create a new custom folder: Workspace : Custom Library : select any custom library level ▶ Toolbar : ®Create a new custom folder

To delete a custom folder: Workspace: Custom Library: select any custom library level ▶ Toolbar: XDelete the fitting bin / item To change the fitting library icon Workspace: Fitting Libraries: select a library (left click) > Toolbar: Change the background color

for the selected fitting library ► Color selection dialog: select a color ► OK color:

To change the bin caption color: Workspace: Fitting Bins: select a bin (left click) ► Toolbar:

☼Change the caption color for the selected fitting bin ► Color selection dialog: select a color ► OK

Workspace : Fitting Libraries : select any fitting library ▶ Toolbar : ⊜Create default bin for library To create default bin for library:

Workspace: Fitting Libraries or Workspace: Fitting Bins: select a fitting ▶ To rename a fitting:

extra left click ► type new name ► Enter key

Fitting Locator

 Fitting Bins Fitting Locator

Workspace: Fittings list contains fittings matched to the dimensions indicated in Workspace: Properties list. To narrow the located fitting group, adjust undefined property values (for a proper selection, always adjust properties starting at the top of the list).

To find a fitting or a fitting group: Workspace: Properties: specify properties

To add found fitting(s) to a bin: Workspace : Fittings : drag-and-drop a fitting (or a group of fittings) into Workspace : Preview area

Work with Fittings

Move your mouse over the docked bin caption ▶ Workspace : Fitting Bin : select a fitting ▶ To add a fitting to a takeoff:

Fitting Editor: edit fitting parameters ► Fitting Editor: Toolbar: ©Cut & Label or ©Label only or ©Order or Toolbar : Toggle quick input ► Workspace : Quick input field : type fitting name or its abriviation

Workspace: Fitting Quantity: set quantity

To edit fitting parameters: Fitting Editor: Fitting parameters: type values (you can use arrow keys for moving around the list) or

Fitting Editor : Fitting preview : select a dimension and type a value ▶ Enter key

To edit fitting parameters Toolbar: Toggle show Editor

with quick input:

When you edit diameter, major and minor dimensions of a round or oval fitting, you can use sizing tables (please refer to Duct Sizing).

To see all the fitting costs: Fitting Editor: Toolbar: \$\mathbb{T}\text{oggle cost estimating data} To see all parameters checks: Fitting Editor: Toolbar: &Toggle to view checking list Fitting Editor : Toolbar : ▼Toggle fitting comments To see all comments on fitting:

Fitting Editor: type the custom fitting name Fitting Editor: Save to Custom as To create a custom fitting:

► 🚰 My Work : 🦳 : 🛅 ► 🔲 🛮 🕮 🛎 Work with Fittings Browse

To override specifications Fitting Editor: Toolbar: for a given (modified) parameter: Parameter override button should be depressed

To override specifications Fitting Editor: Toolbar:

Total override button should be depressed for all parameters:

To select a specification: Fitting Editor: Specifications: left click to display

> all available specification sets Fitting Editor : Specifications :

select a specification set from the drop-down list

Fitting Editor: Fitting parameters: type default values ► Fitting Editor : Toolbar : Save as default

To edit a fitting face: Fitting Editor: Fitting layout: select a fitting face

(left click) ▶ Part Editor : edit face

To print a label for a fitting face: Fitting Editor: Fitting layout:

place a check mark into the print box

To discard a fitting face: Fitting Editor: Fitting layout:

place a check mark into the discard box

Fitting Editor: Fitting layout: place a check mark into the shear box To shear a fitting face:

When you mark a fitting face as discarded, it will not be nested and will not be fabricated.

Duct Sizing

To set fitting defaults:

All duct sizing tables for your round and oval duct fabrication.

To create a new sizing table: Workspace: select a shape (round or oval) ▶

> Workspace : Sizing tables : rename the table

Browse

To create a new adjustment Workspace: select a shape (round or oval) ▶ table:

Workspace: Adjustment tables: rename the table

To rename any table: Workspace: Sizing tables or Adjustment tables:

select a table ▶ extra left click ▶

edit field : type the table name ▶ Enter key

Workspace: Sizing tables or Adjustment tables: To delete any table:

select a table ▶

Toolbar: XDelete the selected table

Workspace : Sizing tables and / or Adjustment tables : check or uncheck the box by the table name To make a table active:

For every adjustment table you can specify a desired priority in record lookup:

To set lookup order: Workspace : Lookup order : drag any item to any place in Workspace : Lookup order list To add a record to a sizing table: Workspace: Sizing Table Editor: left click on any place ► Toolbar: Add a new record

Workspace : Adjustment Table Editor : left click on any place ▶ Toolbar : ■Add a new record To add a record to an

adjustment table:

Duct Sizing

To delete a record: Workspace : Sizing Table Editor or Adjustment Table Editor : select a record (left click) ▶

Toolbar: Delete the current record

To edit a record: Workspace : Sizing Table Editor or Adjustment Table Editor : select a record cell (left click) ▶

edit field : type value ► Enter key or Idrop down button : left click ► appeared selection list :

Fitting

layout box

Round Sam

My Libraries 🕨 💷 Duct Sizing

Print

Fitting

discard

face

Fitting

face

shear

Fitting

Fitting

dimension

Cut & Labe

Label only

Parameters checks

Order

Fitting comments

Parameter

override

Total override

Fitting

parameters

Selected specification

Custom fitting

Sizing tables

Sizing table

Adjustment

Adjustment table editor

Lookup

order (to set

a priority in

table record lookup)

editor

tables

set

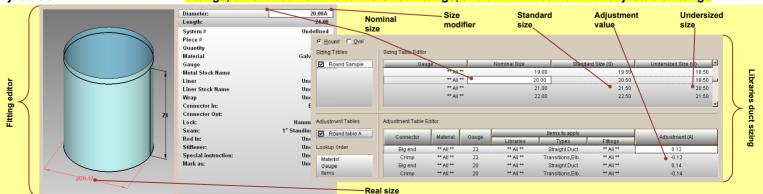
select value(s) (left click) ▶ extra left lick outside the selection list or Enter key

Work with Duct Sizing

To make a round or an oval fitting sized, undersized or adjustable:

Browser: My Libraries: Duct sizing: make one of existing sizing or adjustment tables active ▶ Fitting Editor: type diameter, major and minor property values with an "S" modifier for standard fittings, a "U" modifier - for undersized fittings, and an "A" modifier - for adjustable fittings

📗 🟲 🛅 My Work : 🦳 : 🛗 : 🥅 🕨 🔟 🕮 🕮 🕰



When you type the fitting size value with a "U" modifier (i. e. 20U), Real size = Undersized size matching the fitting Nominal size. When you type the size value with an "S" modifier (i. e. 20S), Real size = Standard size matching the fitting Nominal size. When you type the size value with an "A" modifier (i. e. 20A), Real size = Nominal size + Adjustment value matching the fitting material, gauge, connector, and the fitting category.

Notches & Edges ► © Edges ► Market & Edges ► Market & Edges **Edges** Browse

An edge is an allowance with parametric (changeable) geometry, used in creating your locks, joints, seams, connectors and modifications of part / face edges.

To create a new edge: Toolbar :

Create a new edge ► Workspace :

Edges list: rename the edge ► Workspace: Parameters list : create edge parameters

Workspace : Edge Editor : edit the edge ►

Toolbar: Save the selected edge

To rename an edge: Workspace : Edges list : select an edge ▶ extra

left click ▶ edit field : type name ▶ Enter key

Workspace : Edges list : select an edge ▶

Toolbar : **XDelete the selected edge**

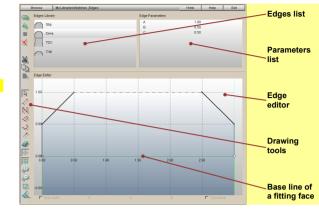
To create a new edge parameter: Toolbar: ∠Create a new edge parameter ▶ Edge parameter dialog: type the parameter

name and value ► Edge parameter dialog : OK

Browse

Workspace: Edge Editor: edit the edge To edit the selected edge:

For the description of drawing tools, please refer to the Part Editor.



Rectangular

Round mark notches

Edge editor

Notch center

Oval mark notches

Drawing tools

Bend mark

mark notches

Edges Bins

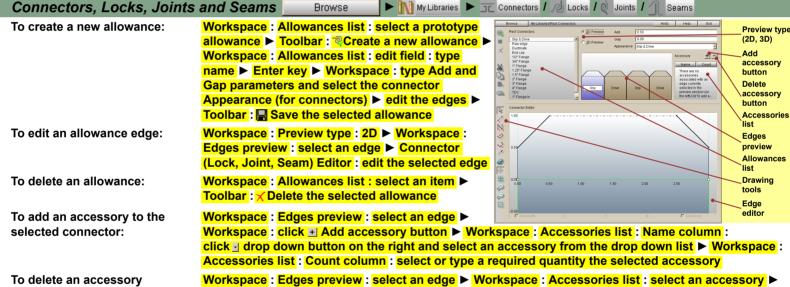
To rename a notch:

Allowances

To delete an edge:

All edges can be organized into working bins. An edge bin is a custom selection of edges assembled by you. You can work with edge bins the same way as you work with fitting or part bins (please refer to Fittings or Parts).

Notches & Edges ► 6 Bins



from the selected edge: Workspace: click - Delete accessory button

To sort allowance lists: Workspace: Allowances list header: series of mouse clicks

Work with Allowances My Work :

Once allowances are created, you can use them in Fitting Editor and Part Editors.

To modify an allowance Fitting Editor: Parameters list: any allowance value: left click on the I drop down button

for the selected fitting: and select an item from the drop down list

Browse My Libraries 🕨 🔽 Special Notches Special Notches

Workspace: select a notch list ▶ Toolbar: To create a new notch:

VCreate a new notch ► Workspace:

rename the new notch ▶ Edge Editor: edit the edge ► Toolbar : 🖫 Save the edge

Browse

Workspace : select a notch ▶ extra left click ▶ edit field : type name ► Enter key

To delete any notch: Workspace: select a notch ▶

Toolbar: X Delete the selected notch

To edit the selected notch: Workspace : Edge Editor : edit edge

For the description of drawing tools, please refer to the Part Editor.

To select a notch list: Workspace: Rectangular or Round or Oval or

Bend notches list: select a list (left click) anywhere within the list

To make a notch active: Workspace: Rectangular or Round or Oval or Bend notches list: check the box by the notch name

Workspace: Rectangular or Round or Oval or Bend notches list: select a notch (left click) To select a notch:

To create a new accessory:

Toolbar:

Create a new accessory ► Workspace: edit the accessory

Workspace : Accessories : select an item ▶ Toolbar : XDelete the selected accessory To delete a accessory: To rename an accessory: Workspace : Accessories : select an item ▶ extra left click ▶ edit field : type name ▶ Enter key

 Stiffeners / © External Stiffeners Stiffeners

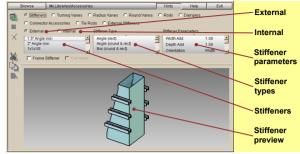
To edit a stiffener: Workspace : Stiffeners : select an item ▶

> Workspace : Stiffener types : select a type ▶ **Workspace**: Stiffener parameters: type values

Workspace: check Frame stiffener box To make a stiffener framed:

To cut stiffener holes: Workspace: check Cut holes box

To select internal stiffeners: Workspace: select Internal To select external stiffeners: Workspace: select External



Vanes (Turning, Radius and Round)

Turning Vanes

Radius Vanes

Round Vanes

To edit a vane:

Workspace : Vanes list : select an item ▶

Workspace: Vanes parameters:

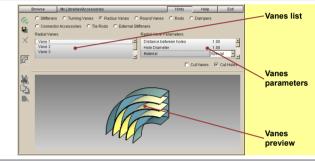
type or select values

To cut round vanes:

Workspace: check Cut Vanes box Workspace: check Cut Holes box

To cut installation holes

for radius vanes:



Rods

Accessories

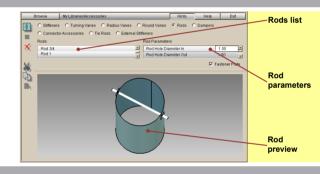
Rods

To edit a rod: Workspace : Rods list : select an item ▶

Workspace : Rod parameters : type values ▶

Workspace: Fastener plate box:

check or uncheck

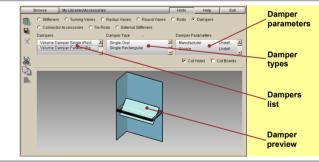


Dampers

Dampers

To edit a damper: Workspace : Dampers list : select an item ▶

Workspace : Damper types : select a type ▶ Workspace: Damper parameters: type values



Connector Accessories

Connector Accessories

To edit an accessory: Workspace: Connector accessory type:

select a type ► Workspace :

Connector accessories list : select an item ▶

Workspace:

Nomimal length ranges: edit ranges

Workspace: Connector accessory parameters:

type values

(please refer to Allowances / Connectors, Locks, To add an accessory

to a connector: Joints and Seams chapter)

Work with Accessories Browse ▶ 🚰 My Work :

Once accessories items are created you can add them to the selected fitting in Fitting Editor.

Fitting Editor: Parameters list: any accessory property value: left click on the I drop down button To add accessories to and select an item from the appeared drop down list

the selected fitting:

Connector type Connector accessory parameters Connector list Nominal length ranges Connector accessory

accessories preview

Specifications

Specifications My Libraries 🕨 🗐 Specifications Browse

Specify your manufacturing standards in accordance with your requirements (you can use SMACNA-based specifications, as well as any other conceivable specification sets).

To create a specification set: Toolbar: ■Insert a new specification set rename the created specification set

The newly creating specification set will be a copy of a currently selected one (if any).

To rename a specification set: Workspace: Specification sets:

select a specification set ▶ extra left click ▶

edit field : type name ► Enter key

Workspace: Specification sets: To delete a specification set: select a specification set ▶

Toolbar: Delete the selected specification set

Work with specifications in **PractiCAM** is based on rule – exception principle.

All fittings are hierarchically organized in categories. Rules specified for more general categories work for all its subsets if only no exception rules are defined for those subsets.

To edit a specification set: Workspace : Specification sets : select a specification set ▶

Workspace : Pressure class : select a desired pressure class ▶ edit specification table(s)

Target fitting sets

vailable condition

(to apply specifications)

Condition Set

Largest Side

Parameters selection

Conditions

0.00 .. ANY

0.00 .. ANY

0.00 .. A 12

0.00 .. ANY

value

condition

Modified

condition

Newly condition

value ranges

value ranges

WidthIn

Conditions

WidthIn

0.00 .. 12.00

0.00 .. 12.00

0.00 .. 12.00

0.00 .. 12.00

12.00 .. ANY

12.00 .. ANY

12.00 .. ANY

12.00 .. ANY

dialog

◩

C None

C Custom

Specification

Current specification

description

Pressure

Parameters

set option

Parameters

and values

Conditions

Maximum of specified property values

Name: Stiffeners

Cancel

Upper

First priority

bound of a condition

condition

Second

priority condition

DepthIn

0.00 .. 12.00

12.00 .. 24.00

24.00 .. 36.00

36.00 .. ANY

0.00 .. 12.00

12.00 .. 24.00

24.00 .. 36.00

36.00 .. ANY

Specified property values

max:WidthIn,DepthIn,Length

WidthIn

DepthIn

Length

0K

Depthlp

0.00 .. 12.00

12.00 .. 24.00

24.00 .. 36.00

36.00 .. ANY

value ranges

If you create a specification table for some fitting set it will be automatically duplicated for all its subsets up to individual fitting.

To create a specification table: Workspace: Target fitting sets: select a fitting category (up to individual fitting) ► Workspace :

> select a condition set (Non, Largest side or Custom) ▶ create one or more size breaks sets

Conditions: set condition value(s) ranges

You can create a specification table if only no condition value ranges are defined for the selected fitting category and specified condition set.

To select a specification table: Workspace: Target fitting sets:

select a fitting category (up to individual fitting) **Workspace**: Condition set: select the condition

set (Non, Largest side or Custom)

If there are not condition value ranges in **Workspace**: Conditions, you should create a specification table.

To edit a specification table: Workspace: select a specification table ▶ edit one or more size breaks sets

To modify condition value ranges, you can add or split a condition value range in two equal ranges, edit upper boundary of a selected condition value range, and delete any selected condition value range.

To create a size breaks set: Toolbar :

Create a new size breaks set ▶ Parameters selection dialog : type size breaks set name ▶

Parameters selection dialog: check or uncheck parameters by name

Parameters selection dialog: OK or Cancel

Workspace : Size break sets list : select a size breaks set ► Toolbar : Delete the selected size breaks set To delete a size breaks set:

To edit a size breaks set: Workspace : Size break sets list : select a size breaks set ▶ Parameters selection dialog : type size

breaks set name ► Parameters selection dialog: check or uncheck parameters by name

Parameters selection dialog: OK or Cancel

To add a condition value range: Workspace : Conditions : select a condition value

range to split it in two equal ranges

Toolbar: **₹**Add a condition ►

Workspace: Conditions: edit newly created

ranges or Workspace: Conditions: edit the last condition value range

You can add more than one condition value range for a custom condition, if you select a not last priority condition value range.

To edit a condition value range: **Workspace : Conditions : select a condition**

value range (left click) ▶ edit field :

type the desired upper range bound ▶ Enter key

If you select the last condition value range (upper boundary = ANY), the new last condition value range will be automatically created.

Conditions: select a condition value range To delete a condition Toolbar: Delete the selected condition value range:

Once you delete all condition value ranges from a specification table, the specification table will be deleted. To add other specification value ranges, you should create the specification table again. When your specification tables are created and condition value ranges are specified, you can edit your specification table rules.

select a specification table ► Workspace : Conditions : select a condition value range (if any) ► To edit a rule:

Workspace: Parameters and Values: type or select value(s)

To set a property undefined:

Work with Specifications

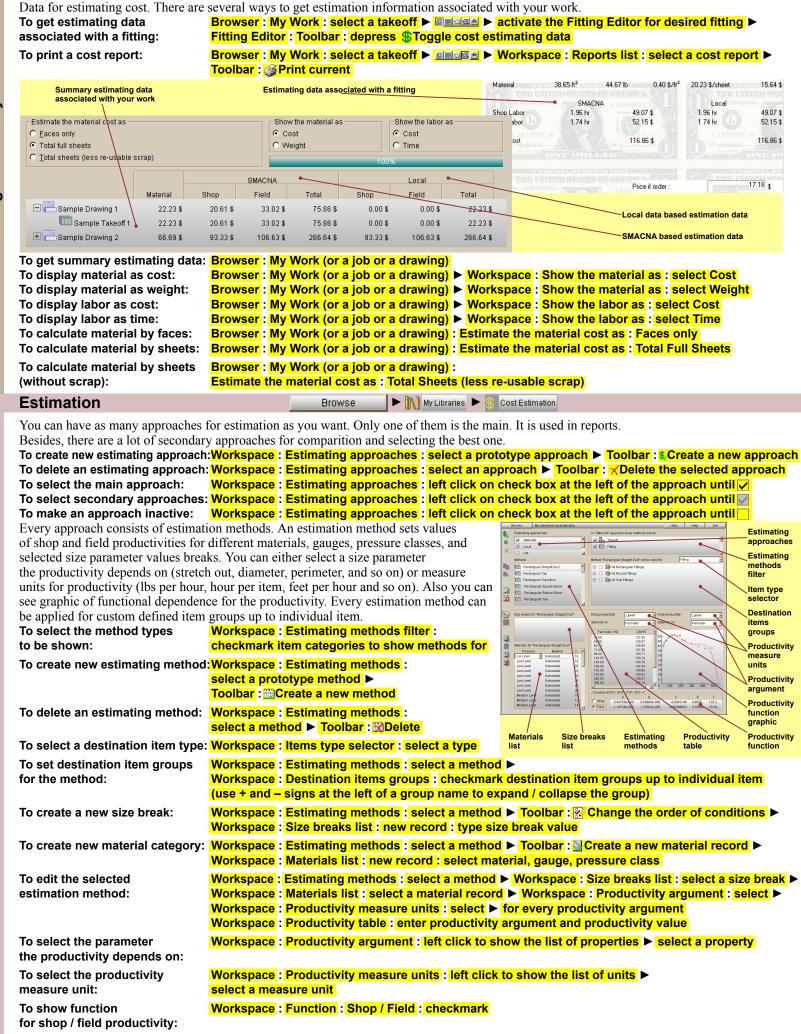
Fitting Editor : Specifications : left click to display all available specification sets ▶ To select a current Fitting Editor: Specifications: select a specification set (left click) specification set:

Once you select a current specification set in Fitting Editor, it will be applied to all following fittings until you deselect it or select another specification set. You can also manually override fitting parameters (please refer to Fittings / Work with fittings chapter).

Workspace : Parameters and Values : select a property ▶ Toolbar : Molecular Delete the selected value

▶ 🕞 My Work : 📄 : 🚝 : 🥅 ▶ 📵 🚳 💆

Cost Estimation



Browse

▶ 🚰 My Work : 🦳 : 🛗 > 📦 🗷 😅 💆 or 📦 🗗 😅 💆

Segmentation My Libraries > Segmentation Browse Collection of all automatic segmentation rules for your products. (to select a fitting) To edit fitting segmentation Workspace : Fittings : select a fitting ▶ rules: Workspace: Number of Blanks: select the fitting Fitting layout ► toggle fitting segmentation lines Inactive Workspace: Fitting preview or Fitting layout To toggle a fitting -seamentation line segmentation line on or off: preview: move your mouse cursor near the Active segmentation line ► click on that line seamentation line To rotate a fitting: Workspace: Fitting preview: drag the fitting Number of (left mouse button pressed) blanks to use in To use zoom in fitting preview: Workspace: Fitting preview: drag the fitting applying segmenta-tion rules (right mouse button pressed) Fitting layout preview Leads & Loops ► My Libraries ► Leads & Loops Your cutting allowances used to provide precise cutting contour. Lead parameters To edit leads: Workspace: Leads Toolbar : Create a new lead ▶ Workspace : To create a new lead: **Leads list**: rename the lead ▶ Workspace: Lead types list Lead sketch editor: create the lead sketch ▶ Workspace: Lead parameters: type values (you can use arrow keys for moving around the list) ▶ Leads list Toolbar: Save this lead To rename a lead: Workspace : Leads list : select a lead (left click) ▶ extra left click ► type name Lead sketch editor To delete a lead: Workspace: Leads list: select a lead (left click) ▶ Toolbar: XDelete the selected profile You can work with loops exactly the same way as you work with leads. 🕨 🐙 My Equipment 🕨 🖶 ESAB - File transfer 🕨 🌀 Cutting Modes Work with Leads & Loops Browse To create a new cutting mode: Toolbar: Create a new cutting mode Workspace : Cutting Modes : a cutting mode row : select the lead in / out or loop column (left click) ▶ To apply a lead in/out or loop: left click on the

drop down button

extra left click to select My Libraries Datalog Items Catalog Items Browse All items used in duct manufacturing and installation (spin collars, flexes, etc.). Folder tree To create a new folder: Workspace : Folder Tree : select any folder tree level ► Toolbar : items list Preview To rename any folder: Workspace: Folder Tree: select a folder ▶ Catalog extra left click ▶ edit field : type name ▶ Enter key item type To delete a folder: Workspace: Folder Tree: select any folder tree level ► Toolbar : XDelete e lcon Item Workspace: Folder Tree: select any folder tree To create new catalog item: parameters level ► Toolbar : Madd a new catalog item ► Keywords rename the newly created catalog item ▶ change preview picture ▶ change icon ▶ add one or more dimensions ▶ **Workspace**: Item parameters: type dimensions values To rename any catalog item: Workspace : Items : select an item ▶ extra left click ▶ edit field : type new name ▶ Enter key To select an icon for Workspace : Icon : left click ▶ select an icon or representing catalog: Workspace : Icon : left click ➤ File open dialog : select a preview file ➤ OK To change preview picture: Workspace : Preview : left click ► File open dialog : select a preview file ► OK Toolbar: ■Add a new parameter ► To add parameter(s) Workspace: Item parameters: type the parameter name, type and default value to the selected item: Workspace : Item parameters : select a parameter ▶ Toolbar : 🗵 Delete the selected parameter To delete a parameter: Workspace : Items : select an item (left click) ▶ Toolbar : Delete a catalog item To delete a catalog item: You can work with catalog bins exactly the same way as you work with fitting bins (please refer to Fittings). Work with Catalog Items ▶ 🕞 My Work : 🗀 : 🕮 : 📄 ▶ 📵 🛮 🕾 😃 Browse To add a catalog item Workspace : Catalog Bin : select a catalog ▶ Parameters list to takeoff: Catalog Editor: edit catalog item Preview To edit any catalog item Workspace: Takeoff list: select a catalog item with Catalog Item Editor: (left double click) ▶ Parameters list: type values ▶ Description (to type **Description**: type description ▶ Barcode Sequence: type sequence description) Toolbar: ✓ Apply changes or ♥ Cancel Barcode sequence

The Profile Editor is used to create the architectural items from their profile sketches. Every profile sketch uses chain-link line and arc elements

and slopes from the wall up to the ceiling or down to the floor. To create a new profile: Toolbar : <a> Create a new profile ►

> Workspace : Profiles list : rename the profile ▶ Workspace : Sketch Editor : create the profile sketch ► Workspace : Sketch parameters :

type values (you can use arrow keys for moving

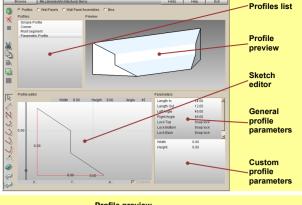
around the list) ▶

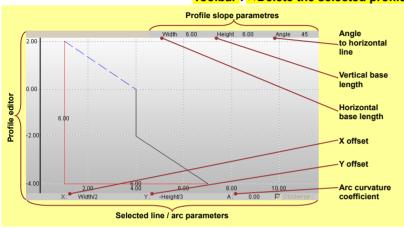
Toolbar: Save profile modifications

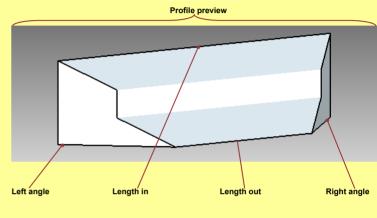
Workspace : Profiles list : select a profile To rename a profile: (left click) ▶ extra left click ▶ type name

To delete a profile: Workspace: Profiles list: select a profile (left click) ▶

Toolbar: XDelete the selected profile







To create a custom parameter:

Toolbar : ■Add a new parameter ► Input parameters dialog :

type the parameter name and default value ▶ Input parameters dialog : OK or Cancel

Point move

My Libraries > Architectural items > 6 Bins

Profile

layout

Profile

To parametrize a profile geometry:

Profiles

Toolbar: Select ➤ Workspace: Profile Editor: select a line / arc (left click) ➤

Workspace: Selected line / arc parameters: select a parameter (drag mouse with left mouse button depressed over the parameter value) ▶ type a custom parameter name

Tools for	or adding items to the sketch:				
	Line	Adds a line.			

Adds chain-link lines. N Line-by-line Adds an arc using 3 points on it. 3-point arc

Adds an elliptical arc using 3 points Ellipse on it.

Adds a parabolic arc using 3 points Parabola

Adds a hyperbolic arc using 3 points Hyperbola on it

Tools for	navigating the	drav	ving space and the viewing area:
_			Magnificatha content of the viewing

	(+)	Zoom In	area.
	P	Zoom Out	Reduces the content of the viewing area.
	#	Grid settings	Sets the grid size.
Tools for changing or removi		changing or remov	ing items from the sketch:
	B	Select	Selects a sketch element.
		Delete	Deletes an element.

Moves a point.

Cut & Labe

Toggle cost

estimation data

Cancel

Profile

Profile dimension

parameters

profile name

6.00

Profile

Profile face

discard box

Profiles bins

Work with Profiles

To discard a profile

face from manufacturing:

To print a profile face label:

Architectural item (Profiles) libraries can be organized into working bins to optimize your workflow. A profile bin is a custom selection of profiles assembled by you. You can work with profile bins exactly the same way as you work with fitting bins (please refer to Fittings).

▶ 🚰 My Work :

Profile Editor: Profile layout: place a check mark into the label print box

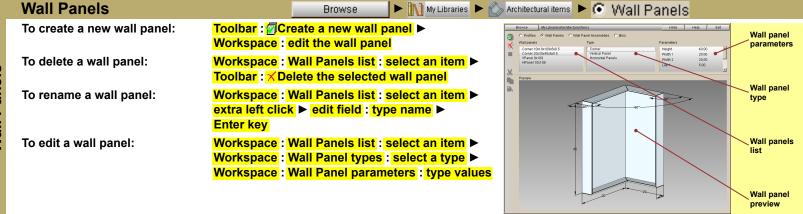
To add a profile to a takeoff: Move your mouse over a docked bin caption ▶ Workspace : Profile Bin : select a profile ▶ Profile Editor: edit the profile parameters ▶ Toolbar: Cut & Label or Label only or Order To edit profile parameters: Profile Editor: Profile parameters: type values or Profile Editor: Profile preview: select a dimension and type a value ► Enter key To create a custom profile: Profile Editor: type the custom profile name ▶ Profile Editor: Save to Custom as Save to custom as To set profile defaults: Profile Editor: Profile parameters: type values Profile Editor : Toolbar : Save as default Profile Editor: Profile layout: select a profile face To edit a profile face: (left click) ► Part Editor : edit face

Profile Editor : Profile layout :

place a check mark into the discard box

Browse

Browse

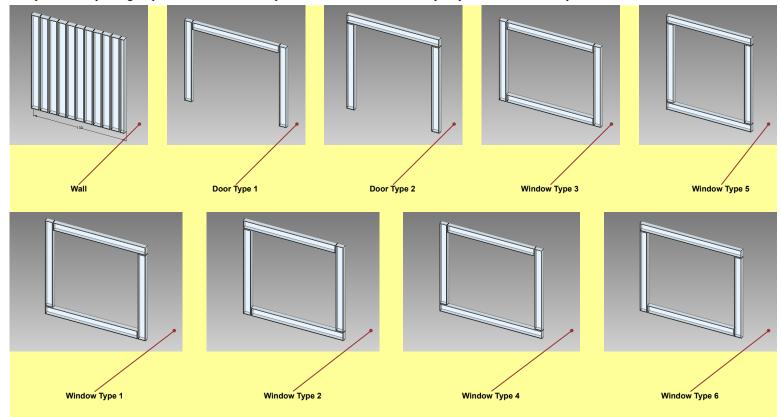


Wall Panel Assemblies

There are following types of wall panels: vertical and horizontal panels, and corners. You can create your own wall panels and assemble them into predefined panel groups. You can work with panel assemblies the same way as you work with wall panels.

Browse

▶ My Libraries ▶ 🖒 Architectural items ▶ 🌀 Wall Panel Assemblies





To add a wall panel to a takeoff: Move your mouse over a docked bin caption ▶

Workspace: Wall Panel Bin: select a wall panel ▶

Browse

Wall Panel Editor:

edit the wall panel parameters

Wall Panel Editor: Toolbar:

Cut & Label or Label only or Corder

Wall Panel Editor: Wall Panel parameters: To edit wall panel parameters:

type values or

Wall Panel Editor: Wall Panel preview: select a dimension and type a value ▶

Enter key

To create a custom wall panel: Wall Panel Editor:

type the custom wall panel name ▶

Wall Panel Editor: Save to Custom as Save to custom as

Wall Panel Editor: Wall Panel parameters: To set wall panel defaults:

type values >

Wall Panel Editor: Toolbar: Save as default

To discard a wall panel face from manufacturing:

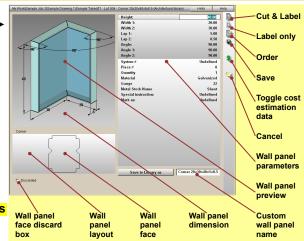
To edit a wall panel face:

Wall Panel Editor: Wall Panel layout: place a check mark into the discard box

▶ 🕞 My Work : 📄 : 📇 : 🛅 ▶ 🔟 🛮 🕾 🛎

Wall Panel Editor: Wall Panel layout: select a wall panel face (left click) ▶

Wall Panel Editor : edit face



Extensive **PractiCAM** part libraries (over 1500 items) can be organized into working bins to optimize your workflow. A part bin is a custom selection of parts assembled by you. You can work with part bins exactly the same way as you work with fitting bins (please refer to Fittings).

To add alpha part(s) to a takeoff: Toolbar: Treate a new alpha part ► Alpha Part Editor: type a new part name ► Enter key ► Alpha Part Editor: select font and font style, part face and material ►

Alpha Part Editor: type alpha part text ► Alpha Part Editor: Cut & Label or Cancel

To create a vector part from a bitmap (to cut a part from any picture):

Toolbar:

Create vector parts from bitmaps ► Bitmap Tracer: select a bitmap image file ► Bitmap Tracer: Dimensions: type values ► Bitmap Tracer: Separating Color and Allowance: select ► Bitmap Tracer: Border: check desired border ►

Bitmap Tracer : Optimization : check desired optimization ▶ Bitmap Tracer : OK or Cancel

To edit a part: Workspace : Takeoff list : select any part (left double click) ▶

Part Editor : Graphic Editor : edit part ▶ Part Editor : Part parameters : type values ▶

Part Editor : Toolbar : Cut & Label or Label only or Corder

To delete any part: Workspace : Takeoff list : select any part (left click) ▶ Toolbar : ★ Delete

Part Editor

The Part Editor is used to create a new part from a part library, to edit an existing part or a fitting face, and to create a custom part. Every part sketch uses line and arc elements. The part sketch can be organized by layers. Every new element is placed on a currently selected layer. All elements from the same layer are displayed with the same layer color. You can show or hide any layer.

To add a new layer:

To select a layer:

Layers list: select a layer (left click)

Layers list: select a layer (left click)

Layers list: left double click ▶ Layer type discussions.

Layers list: left double click Layer type dialog:

select a layer type ▶ Layer type dialog : OK

To rename a layer: Layers list: select a layer (left click) ▶

Layers list : left double click ► Layer type dialog :

type new name ► Layer type dialog : OK

To edit layer color: Layers list: select a layer (left click) ▶

Layers list : left double click ► Layer type dialog :

Color button ► Color selection dialog :

select a color ► Color selection dialog : OK ►

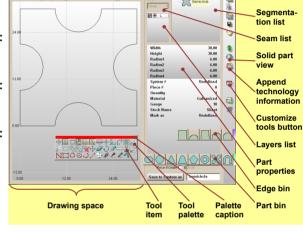
Layer type dialog : OK

To show / hide a layer: Layers list : check or uncheck by the layer name

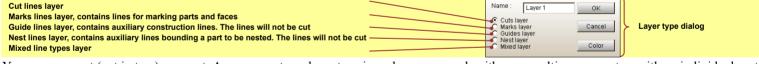
To delete a layer: Layers list: select a layer (left click) ▶

Toolbar:

Delete the selected layer / segment



Status bar



You can segment (cut in two) any part. Any segment can be cut again and you can work with any resulting segment as with an individual part. The segmentation tool uses Seam list. The selected seam allowances will be added to both sides of the cut.

To segment a part:

Segmentation list: select a segment

Drawing space: a palette: Segment this part

Seam list: select a seam

Drawing space: click starting point of the segmentation line

Segmentation list: select a seam

Drawing space: click starting point of the segmentation line

Drawing space : click ending point of the segmentation line

To delete a segment:

Segmentation list: Select a segment

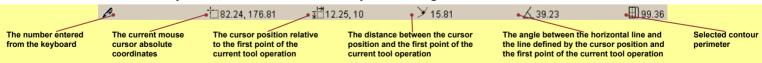
Toolbar: ♥Delete the selected layer / segment

You can also add predefined allowances (edges from your edge bin) to any edge of the part.

To add an allowance to the part: **Edge bin**: **select an allowance** ▶ **Drawing space**:

move your mouse cursor to the desired graphic element and click on it to place an allowance

The status bar shows the current position, direction-distance and keyboard editing information.



You can organize the drawing tools in your palette(s), and you can have as many palettes as you want.

To customize your palette: Toolbar: Electronic Customize tools button should be pressed

To add a drawing tool: Drawing tool list: drag-and-drop an item into Drawing space: a palette

To create a new palette: Drawing tool list: drag-and-drop an item into an empty place of the Drawing space

To move a palette: Editor area: a palette: drag the palette caption

To delete a drawing Editor area: a palette: drag-and-drop the tool item outside the Drawing space

tool from a palette: (the palette will be automatically deleted when all its tools are deleted)

To save the part to library: Custom part name: type a name ► ____save to custom as

To use the saved part: Browser: My Libraries: Edges ▶ add the saved part (located in custom library) to a part bin

To enter part price: Price if order: check box: set check ▶ Price if order: type the part price

Part E								
	0 0	wing space and the viewing area:						
#	Toggle grid	Turns on and off the grid.	+	Set an origin point	Sets the position of the origin point.			
#	Grid settings	Sets the grid size.	0 <u>~ 3</u>	Move the drawing to the origin point	Sets the viewing area at the originpoint position $(0,0)$.			
·••	Toggle snap	Turns on and off cursor snapping to segment ends and grid crossings. Turns on and off cursor snapping to line		Fit to view	Adjusts the size of the viewing area to the size of part.			
×	Toggle snap to line intersection	intersections.	∌	Zoom In	Magnifies the content of the viewing area.			
Ø	Toggle snap to line	Turns on and off cursor snapping to line.	P	Zoom Out	Reduces the content of the viewing area.			
Ø	Toggle snap to line center	Turns on and off cursor snapping to element center.		Frame zoom	Magnifies the selection to fill allof the viewing area.			
$\downarrow_{\pi}^{\longrightarrow g}$	Change the blank orientation	Changes axes orientation relatively to the viewing area	<u>_</u>	Scroll	Scrolls the content of the viewing area.			
	Contour/element allowance	C	4 →	Autoscroll	Pans the viewing area across the drawing when your cursor comesclose to the edge of the viewing area.			
ools fo	or adding, changing	or removing items from the sketch:						
0	Select by element	Groups part elements one-by-one.		Copy	Creates a duplicate of an element/group			
\mathbb{Z}	Select a group	Groups part elements within a rectangle.	Ð	Rotate	Moves an element or a group of elements around the specified point.			
%	Deselect all	Cancels the current selection.	+=+	Move all elements on a layer	Moves all elements on a layer.			
	Delete	Reduces the content of the viewing area.	X	Segment this part	Segments a part into two pieces.			
++++	Move	Moves an element / group.	7	Chamfer a corner	Rounds about a corner by line.			
4	Mirror	Reflects selected elements.		Make a fillet	Rounds about a corner by arc.			
\square	Scale	Scales selected elements vertically.	/	Extend a line	Extends a line to first intersection point			
Ĺ	Direction/Distance	Turns on / off polar coordinates data input.	-/ -	Trim a line	Trims a line to first intersection point.			
4	Offset an element		- John -	Split	Splits an element into two elements.			
Tools fo	or adding items to the							
1	Line	Adds a line.	Д	Rectangle	Adds a rectangle.			
N	Line-by-line	Adds chain-link lines.	0	3-point circle	Adds a circle by 3 points on it.			
1	Move selected point	Moves selected point.	⊙	Circle Oval	Adds a circle by its center and radius. Adds an oval by its bounding rect.			
Z	1	Adds bending information.	ロ つ	3-point arc	Adds a arc by 3 points on it.			
	e the tools availabl	_		-	Adds a are by 5 points on it.			
To activate a tool: To deactivate a tool: To select an element/group: To define a group: You can use a mouse or a keyboard to move your cursor. Using the keyboard, you can specify a point: To specify a point: To specify a point Using keyboard: To append techno information: Drawing space: the tool icon: left click ➤ Drawing space: select an element/a group or specify point activate another tool Drawing space: an element: left click Drawing space: specify two opposite corners of a rectangle to move your cursor. Using the keyboard, you can specify the exact location of the cursor without snapping. To specify a point: To append techno information: Drawing space: an element/a group or specify point activate another tool Drawing space: specify two opposite corners of a rectangle to move your cursor. Using the keyboard, you can specify the exact location of the cursor without snapping. To specify a point: To specify a point: Type the X coordinate value ➤ "X" key and / or Type the Y coordinate value ➤ "Y" key ➤ Enter key For example, the "10", "X", "5", "Y" keyboard sequence will place the cursor at the (10,5) point. Toolbar: Append technological information ➤ Technological parameters: edit								
IO SNO	ws 3D part view: Marking tool	Toolbar: Solid part view Turns on and off marking mode.	(Î)	Change order	Change part contours execution order.			
<u> </u>	Guides tool	Turns on and off construction mode.	v		Change start point of the part outline.			
- AM	Nesting tool	Turns on and off nesting mode.	\Diamond					
4	Undo	Undoes last action.	\Diamond	Change direction	Change part contour path tracing order.			
To combine parts to cut them together: You can also use the arrow keys with typed-in distances and directions for greater precision. To specify a point relatively to the current cursor position: Layers list: select a cut layer (left click) ▶ Drawing space: draw parts to be cut ▶ Drawing space: draw bounding part to be nest Drawing space: draw parts to be cut ▶ Drawing space: draw bounding part to be nest Type distance ▶ press any arrow key to specify direction Type distance ▶ press any arrow key to specify direction To specify direction ▶ Enter key								
₽	Hold	Stores the next selected location point without selecting it for relative positioning.	шыш	Measure a distance	Find the distance between any two points.			
	ime you specify a po	int, you can use Hold tool for exact relative			an be used in conjunction with any other to a point (left click or using keyboard)			

To find the distance between any two points:

to the specified position:

type distance ▶ press any arrow key to specify direction ▶ repeat for chain offsets ▶ Enter key Drawing space : ■ Measure a distance ▶ Drawing space : select the first point (left click) ▶ Drawing space : select the second point (left click)

Preferences

My Libraries Browse Your library preferences page allows you to set up your **PractiCAM** interface:

My Libraries

Preferences > 6 General

□ Symmetrical Lock
 □ Cut Holes in Liner
 □ Single Notch Path

► My Libraries ► 🗐 Preferences ► 💽 Dictionary

Browse ► M My Libraries ► # Preferences ► © Export Settings

Maximum length
← Digits ← Syr

Preferences > © System Units

Fitting editor options

Label options

Special

instructions

Mark groups list

Miscellaneous options

Explode

options

construction

-Length units

Weight units

Time units

-Currency

Dictionary

categories list

-Dictionary

Representa tion name

-Name

Special instructions list:

type special instruction

Special instructions list:

Toolbar: XDelete the selected line

Toolbar: ★ Create a new mark group

Mark groups list: type mark group name

Mark groups list: select a mark group ▶

Toolbar: XDelete the selected line

Browse

Browse

Workspace: Standard Workspace: Metric

Workspace: select units for length, weight,

time and currency

Workspace : Exchange Rate :

type value for you currency

Names Dictionaries

You can select your interface language and specify your own item and property names to make **PractiCAM** interface more convenient for you.

Languages

Workspace : Languages list : select a language To change the system language: reload PractiCAM

To add a dictionary entry: Workspace : Categories list : select a category ▶ Toolbar: WCreate a new dictionary entry

To delete a dictionary entry: Names list : entry : select (left click) ▶

Toolbar: WDelete the selected dictionary entry

To edit a dictionary entry: Names list: name: (left click) and type value

Names list: representation name: select (left click) and type value

Export Settings

To set up export settings: Destination folder : select ▶ File format : select

Work stages

Takeoff is a set of things you make.

Takeoff Input

Here you can create and modify all your products (please refer to the Fittings, Parts, and Non-duct Items), and change the takeoff identity and the takeoff options.

Workspace: Drawing name: type the name To enter the drawing name: Workspace: Lot number: type the number

To enter the lot number of the takeoff:

To set the item types to show Workspace: Takeoff summary and view filter:

check or uncheck the item types by name in Takeoff list:

Workspace: Options: To turn auto tracking on or off:

check or uncheck Tracking box

If tracking is on, the next fitting inlet will be adjusted to the previous fitting outlet.

Workspace : Options : check or uncheck To turn auto piece

numbering on or off: Automatic piece numbering box

To show / hide the takeoff Workspace: Options: check or uncheck

history and the takeoff note: **Show History box**

Takeoff list contains items you have created or copied to the current takeoff with its parameters (system number, piece number, etc.).

To edit a takeoff item: Workspace : Takeoff list : left double click on that item Workspace: Takeoff list: Ctrl key + left click or To select a group of items:

Workspace: Takeoff list: Shift key + left mouse button pressed + mouse move

To delete takeoff item(s): Workspace : Takeoff list : select an item or a group of items ► Toolbar : XDelete

Takeoff history contains every operator's action pertaining to this takeoff (fitting creation, modification etc.) and custom user notes.

To add a custom note: Workspace : Note : type the note ► Toolbar : Insert a new custom note

To edit a custom note: Workspace : Takeoff history : select a note ▶ Workspace : Note : type the note

To clear the history log: Toolbar :

Clear history log ► Confirmation dialog : Yes

To delete item(s) from Workspace: Takeoff history: select an item or a group of items ▶ the history log: Toolbar: ★ Delete the selected fitting, part, custom object or a note

number Drawing Options specifica Round Tee with Round Tap tions Takeoff summary and view filter Takeoff 967 Note 8 2 2 2 history

Work stages

To display all nest options: Toolbar : Toggle waste reduction on To display the nest layout: Toolbar: Toggle waste reduction off

To set desired nest quality: Workspace: Quality: drag the slider

(low quality but faster - high quality but slower)

To set cut order (by gauge): Workspace : Cut order list : drag any gauge item

within the list

To cut faces inside out: Workspace: check Cut Inside Out box

Workspace: Variable gauge table: To move blanks from

check Yes / No cells one gauge to another:

To allow flipping: Workspace: check or uncheck Allow flipping

To turn the torch path Workspace: check or

optimization on or off: uncheck Optimize Torch Path

To use scrap: Workspace: Scrap options: type minimal width of scrap and check sides to get scrap

To set the final torch position: Workspace: Move To: select the desired torch position

Once your work is automatically prepared for manufacturing, you can edit the nest layout manually using special tools.

Toolbar : Move ► Workspace : Nest preview : To move a part within a sheet:

drag a part within Nest preview

To flip a part:

click one or more parts to flip

To discard a part from Toolbar : Move ► Workspace : Nest preview : the nest layout: drag-and-drop a part to Temporary storage

To rotate a part: Toolbar : Nest : Workspace : Nest :

click the center point of rotation ▶ Workspace :

Nest preview: drag any point of the part or

Workspace : Rotation Angle : click and type value ► Enter key

Toolbar :

Move ► Workspace : Nest preview : To move a part to another sheet:

drag-and-drop the part to Temporary storage

display another sheet ► Workspace: Temporary storage: drag-and-drop the part to Nest preview

П

Frame zoom.

 $_{\mathcal{D}}$

To add a part to your work My library : My materials : create a temporary gauge (no stocks with that gauge) ▶

without re-nesting with following My library: My work: a takeoff: select ▶ add and edit a new part ▶

manual nest: Part editor : Part properties : Gauge property : select temporary gauge

If there is no material stock for that temporary gauge, your part will not be nested automatically, and you will see it in Temporary storage.

To add a new part to your nest: Nest page: Temporary storage: drag-and-drop the part to a sheet with the same material and

other gauge ► Manual Nest Editor : nest the part manually

Manual nest

Work stages

To switch from automatic nest **Nest** ► **Nest preview toolbar**: preview to Manual nest editor: **Advanced manual nest**

Manual Nest Editor: Automatic nest To switch to automatic nest:

To set rotation angle step: Angle step: type value To set movement step: Move step: type value To set spacing between parts: Part spacing: type value

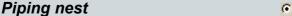
Switch collision checking on/off: Collision detection: check/uncheck

Manual Nest Editor: Nest diagram: drag-and-drop To move part:

To call off collision checking: **Keyboard**: Space: keep pressed

+ + Align part left. CCW part rotation. + + Ctrl Align part right. CW part rotation. Cancel rotation. + + Align part up.

+ Ctrl + ₩ Align part down.

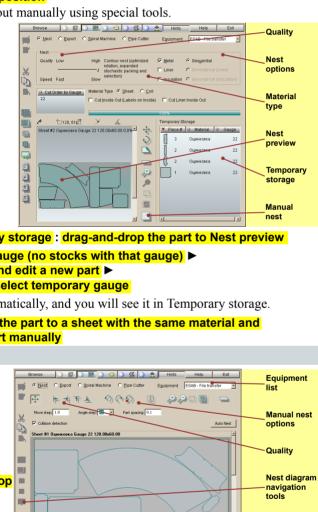


PractiCAM provides two libraries containing fittings made of pipes – BaltVent Single Wall and BaltVent Double Wall. To optimize material the pipe nest procedure is used.

To nest pipe fittings: Pipe nest options : set ▶ Toolbar : Automatic nest

To use pipe place in jaw chuck: Jaw chuck nest: check mark

Note: This procedure is applicable for the fittings of BaltVent libraries only.



Browse D D D D S D S

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F

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П

П Limit Face Spread by

Cut order

list

Toggle

Scrap options

Variable

gauge

table

Nest optimization

Nest diagram

Measure tool.

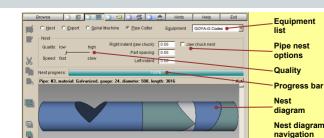
Flip part.

options

reduction



Move and rotate. Zoom rect.



To select a printer: Workspace: Printer: click drop down button and

select an item from appeared drop down list

Workspace: Product summary and / or To specify label set to print:

Workspace: Select and Sort options: Product types: check or uncheck product types by name

Workspace: Select and Sort options: check or uncheck label types and select sheet diapason

To display labels sorted: Workspace: Select and Sort options: select a sort

option (Sorted by nest, Sorted by cut or Sorted)

set sort properties (if you select Sorted)

To set sort properties: Workspace: All properties to sort labels by:

> drag-and-drop an item to Selected properties to sort labels by ▶

set sorting property priority ▶ set sort order

Workspace : Selected properties to sort labels by ▶ drag an item within Selected properties To set sorting property priority:

To set sort order: Workspace: Selected properties to sort labels by: click on ↑ increment or ♦ decrement sign

To preview a label: Specify label set ▶ select a graphic template ▶ Workspace : Labels list : select a label or

Toolbar: Go to the first label or Toolbar: Go to previous label or

Toolbar : ☐ Go to next label or Toolbar : ☐ Go to the last label

Toolbar: Full screen toggle To toggle full screen mode:

Reports

To print a selected report: Workspace : Reports list : select a report ▶

select a printer ► set paper options ►

Toolbar: Print current

To print all select reports: Workspace : Reports list : check or uncheck

repots by name ► select a printer ► set paper options ► Toolbar : SPrint all

Workspace : Printer : click drop down button and To select a printer:

select an item from appeared drop down list

To set paper option: Workspace: Paper settings: set paper

orientation, size and margins

To print report(s) to file: Workspace : check Print to file option ▶

File selection dialog: select a file ► OK

To toggle full screen mode: Toolbar: Full screen toggle

To preview a report: Workspace: Reports list: select a report or

Toolbar: Go to the first report or Toolbar: Go to previous report or

Toolbar:
☐ Go to next report or Toolbar: ☐ Go to the last report

Manufacturing

Here you can fabricate your products by using various NC-controlled equipment.

To send your cut data to an

equipment:

To select a graphic template:

Workspace: Nest or Export or Spiral Machine ▶ select an equipment ► specify data request ►

specify manufacturing options ►

Toolbar: # Transmit data

To save cut or export data Workspace : Nest or Export ▶

to a file: select an equipment ▶ specify data request ▶

specify manufacturing options ▶ Toolbar: Save data to file

To store your cut data

To specify data request:

in separate files for each sheet:

Workspace: check Split into sheets box

To select equipment: Workspace : Equipment list :

click I drop down button and select an item from appeared drop down list

Workspace: Data request: type first and / or last sheet to send to cutter or first and / or

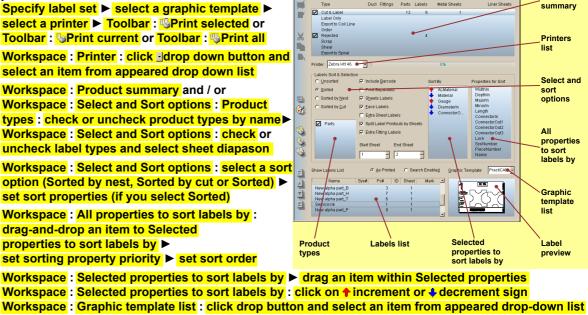
Equipment list contains all installed cutters, coil lines or spiral machine. To install and set up your equipment, please

refer to My Equipment chapter.

last entry (fitting) to send to coil line Before sending your cut data to equipment you can preview that data for every sheet.

To preview cut data: Workspace: Data preview: Tab control: select a sheet ▶ Toolbar: ☑ Trace the selected sheet or

Toolbar: Next torch step



roduct

Printers

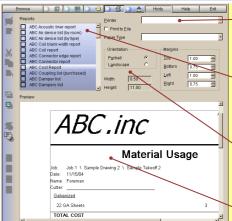
Reports

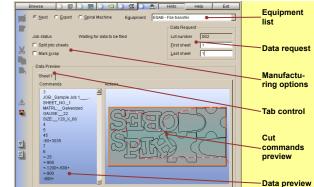
Paper

settings

Report

preview





Materials My Libraries Browse Materials Stock To edit your metal materials: Workspace: Metals To edit your liner and wrap Workspace: Liner, Insulation & Wrap materials: To add a metal material: Toolbar:

☐ Create a new metal material Metal materials table : edit the material properties To add a metal gauge: Toolbar : ₩ Create a new metal gauge ▶ Materials Metal gauges table : edit the gauge properties table To add a new sheet metal stock: Toolbar:

Create a new sheet metal stock ▶ Metal sheet stocks table: edit the stock properties To add a new coil metal stock: Toolbar :

Create a new coil metal stock ►

To add a new pipe metal stock: Toolbar

Metal coil stocks table : edit the stock properties

Toolbar : ✓ Create a new pipe metal stock

Metal sheet stocks table : edit the stock properties

To add a liner / insulation

Toolbar : ☐ Create a new liner / insulation material ►

material:

Liner / Insulation materials table : edit the material properties

To add a wrap material:

Toolbar :

Create a new wrap material ► Wrap materials table : edit the material properties

Coil metal

stocks table

Pipe metal

stocks

table

Sheet metal

stocks

table

Gauges

table

To add a new sheet liner / insulation stock:

Liner / insulation sheet stocks table : edit the stock properties

To add a new coil liner /

Toolbar :

Create a new coil liner / insulation stock ▶

Toolbar:

Greate a new sheet liner / insulation stock ▶

insulation stock:

Liner / insulation coil stocks table : edit the stock properties

To delete the selected material:

A materials / stocks table : select an item ▶ Toolbar : X Delete the selected line

To edit stock dimensions:

A materials / stocks table : select an item ▶ Stock preview : select a dimension (left click) ▶

type new value ► Enter key

To sort material / gages / stock: To show / hide a table column: A materials / gauges / stocks table : column headers : left click until ▲ or ▼ mark appeared

e column: A table header: right click ► check / uncheck the column

Note: When your materials, gauges, stocks are sorted by names, they will list in that order everywhere in **PractiCAM**.