



PARTNER ASPAN CAD/CAM FOR CNC MACHINERY

Release



News and improvements



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General functions and Supervisor Environment

- A large portion of the program has been ported to a **new development platform**, to provide a **better support to new operative systems**, improve program **stability** and create **basis for future developments**;
- complete **redesign of the program interface**, which has been made **more modern**, functional and **in line with new operating systems** currently in use.



- folder selection dialog: always use a resizable (system) dialog;
- generic file selection dialog: always use a resizable (system) dialog;
- **new starter** with logo and graphics renewed;
- general preferences: changing the **toolbar icons size** does not require restarting the program;

- machine configuration and tooling dialog: the dialog size has been increased and the selection can be made double-clicking the list. The list of available machines also displays both the folder name and the machine name set by the user if they differ;
- new representation of the machine head in use and revision of the preview window;



Vacuum cups environment

 New management of panel positioning in 4 zones with addition of the front and rear stops and the management of delta panel parameters (in X and Y);
 (*) for machines supported.



• Revised the general aspect of the CAD environmen and introduced new **flat toolbar** with **tooltip** function on commands;

PARTNER ASPAN CAD - D:\ASPAN_SVILUPPO_X2\DRW\IDemo\test01.DRW File _ Display _ Draw _ Set _ Modify _ Iools _ Layer _ Utility _ Bath _ Extra _ Information
🔘 🗳 💾 블 🕤 🙆 🔹 🗰 🦯 💽 🗔 🎝 🎝 🎝 🖓 👘 👘
Layer: DEFAULT 💦 😰 😰 😂 🤔 🔛 🛄 🚟 👯 🥇 🤿 🕂 📴 🗍 🥇 😒
Modify routings direction and linkage
, 🔎

• 'Display > Routings ends': new display mode that highlights the start point, end point, and direction of drawn entities;



• improved **overlapping entities selection dialog**: the dialog is now displayed near the point selected and contains more details on the entity facilitating the correct selection;

· · · · ·	ENTITY 1/2				-	-	-
	Next Type Start X	Whole r 163.66	Ok outing End X	Cancel 163.66			
	Start Y Diameter Start depth End depth	400.00	End Y 10.00 10.00 10.00	400.00			

- the "modify entity" command lets you edit rectangles (without fillet) as a single entity showing the same dialog used for the creation of the rectangle;
- the entity information dialog now shows the entity layer in the advanced informations section;

	ROUTING SECTION INFORM	ATION ×	ADVANCED ROUTING SECTION INFORMATION
	Information		Information
	🖌 Туре	Line	3 F Formulae Yes
$\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$			Start depth 10.00 mm.
	Start point (XY)	183.66 557.71 mm.	End depth 10.00 mm.
	💴 End point (X Y)	969.26 557.71 mm.	Section length 785.60 mm
	Diameter	1.00 mm.	Angle 0.00 *
			Cut 🗆
			Number 10 (9)
	Entire path	Advanced	Layer DEFAULT
	Help	🕑 Ok	🕐 Help 🕑 Ok

• in all dialogs of 'Set' and 'Modify' commands is now visible the number of entities currently selected;

ROTATE		X		1
Selected entities Center	1 163.66 mm.	Selected entities Diameter Routing thickness		
Angle	Selected entities 3	Layer diameter	0.01 mm.	
	Start		Set color Selected entities 3 Options O Default © Layer color Customized color Select color	×
	🕐 Help	Ok Cancel	🕐 Help 💽 Ok	Cancel

- 'Tools > Preferences': changing the **number of decimal digits** used does not require to restart of the CAD environment;
- 'Set > Parametric > [Preferences]': **comparative display** that shows both the new parametrization model selected and the model currently applied to the drawing;
- added toolbar icon for the command 'Set > Color';

• revisoned all hardware macros;

Cam fittings - Modify Bese panel	Door-Lock - Modify Element of the (c) - Slot height (c) - Slot height (c) - Slot width (z2) - Slot depth (b) - Slot Y offset (c) - Slot Y offset Slot Depth step Recess teol	11600 rm. 65.00 rm. 44.00 rm. 15.00 rm. 5.00 rm. 5.00 rm. 2% 101		
Distance from edge 100 mm. Number of holes 3 mm. Hole data 1 with the second se	C Back		Daver Connector - Moddy (CD) - Distance from edge Number of holes Hole data (Da) - DeltaX (Dy) - DeltaX (Dy) - DeltaX (Dy) - DeltaX (D) - Deph (L) - Cut	2000 mm. 5 mm. 0.00 mm. 0.00 mm. 0.00 mm. 100.00 mm. 100.00 mm.

CAM environment and TOOLING

• Revised the general aspect of the CAM environment and introduced new **flat toolbar** with **tooltip** function on commands;



• 'Display > Routings ends': new display mode that highlights the start point, end point, and direction of drawn entities (applied to unassigned entities);

• improved the tool assignment dialog;

ROUTINGS MACHINING		
Machining		
① 1		Multi machining
Enable machining	Reverse direction	n
Tool		
Tool 10 RPM 18,000	Diameter 10.00 Length 50.00 RPM 18,000	Ø
Options		
Start feed 4,000 mm/min		
Feed 4,000 mm/min		Tool change posit. 6
Depth 10.00 mm.		Diameter/Useful length 16.00 / 50.00
Tool compensation Tool compensation		Tool change posit. 7 7 - FRESA D17 Diameter/ Useful length 17.00 / 50.00
Steps		Tool change posit. 8 8 - FRESA D18 Diameter/ Useful length 18.00 / 50.00
Steps 1	Inverted Pass	Tool change posit. 9 9 9 FRESA D19 Diameter/ Useful length 19.00 / 50.00
Help Ok Ok	Cancel	Tool change posit. 10 10 - FRESA D10 Diameter/ Useful length 10.00 / 50.00
		Help Ok Cancel 🔆 🗊
		On-line help call-out

- improved pryority management;
- renewed and improved tool configuration dialog:





new representation of the machine head in CAM environment;

LAYERS management

• Introduced **new layer selection dialog** with the possibility to **sort the layers list** and **display the main characteristics** of the layers;

Layer name	Δ	Vis	Lo	Ca	Ca	Tool code	Priority
0		х		Х	х	1	
DEFAULT		Х		Х	х	-	
DISEGNO		х		Х	Х	TH1	
FRESATURA		х		Х	х	-	
NON LAVORABILE		х	х			-	
PUNTI ANGOLO		х				-	
QUOTE		х		Х	Х	-	
TANGENTI		х				-	
TESTA TAGLIO 1		х		Х	Х	18	
TESTA TAGLIO 2		х		Х	Х	15	

• improved dialog and the functionality of the meu command "Move entity to another layer": the dialog now shows the main properties of the destination layer selected.

A dedicated field shows the name of the layer of the entity currently selected. In the layers list the layer currently active in the CAD environment is automatically highlighted and proposed as destination layer, if it differs from the one used by the entity selected;

MOVE TO LAYER			×
Selected entities Origin layer Name	DEFAULT	1	
Destination layer			Diserter
DEFAULT DISEGNO FRESATURA NON LAVORABILE PUNTI ANGOLO QUOTE TANGENTI TESTA TAGLIO 1 TESTA TAGLIO 2			10.00 mm. Depth 10.00 mm. Color Visible
Entities data	Set bu laver	Keen setting	Keep value
Diameter		Reep secang	
Depth	0	۲	0
Color	۲	0	0
? Help		Ok	Cancel

• improved layer management dialog and added the possibility to set the machining priority for entities belonging to a specific layer without the need to fore the use of a specific tool;

		LAYER MANAGEMENT		×
LAYER MANAGEMENT		Number of layers available: 10	Layer properties General Data CAD CAM	순 Add
Number of layers available: 10	Layer properties General Data CAD CAM Name FRESATURA		Can be assigned	K Erase
0 DEFAULT DEEENO DETESTURA HITESTURA PUNTI ANGOLO OUDTE TANGENTI TESTA TAGLIO 1 TESTA TAGLIO 2	Default Unusable Viable Locked Pirrt	DISERVICES TREESIONS NERVESION NONTIANGOLO QUOTE TANGENTI TESTA TAGLIO 1 TESTA TAGLIO 2	Can be machined Use CAM data Tool code Initial speed Init	Help
	Color Modify the color	Cancel		Save Save

• Renewed import processor "Strategy Layer Import" now up to two times faster in processing DXF drawings containing a large number of entities;

LAYERS	PROPERTY	APPI	.IES TO
1	Hole Depth	10.00	<u>a</u>
)efault	Countersink height	-	Ą
ANEL	Start Depth	10.00	Å
	End Depth	10.00	Å
	In-Feed	-	X
	Work-Feed	-	<u> </u>
	Rotation Speed	-	A
	Tool Diameter	10.00	AB
🕨 🗶 📝 Modify	Tool Number	-	A
	Tool Code	-	Å
layer options	Priority	-	AA
DEF PANEL DRAW	Hole Through	NO	<u>a</u>
	Tool direction	NO CHANGE	A
Lurrent profile	Tool Compensation	NORMAL	Ä
APTest	Use thickness	NO	A 4
Cfg: Config1 Atr: DFF	Color mode	SET COLOR	A A
	Layer Color	SET COLOR	A A
Profile	E.	Save 🔘	Exit

• introduced management of import profiles:

it is now possible to **create profiles** containing **different import parameters**, including **layer names**, **geometry details**, **tool data**, and more, and select the one needed before import procedure;

LOAD/SAVE PROFILE	
Profile	Profile management
APTest Default New profile	Create new
	Rew from DXF file
	Duplicate selected
	Rename
Current profile APTest	Delete selected profile
info	Load Sclose

• automatic creation of import profiles:

import **profiles can be created automatically** by PARTNER/ASPAN without the need for the user to enter manually the names of the layers: they will be taken automatically from a specified DXF;

- it is now possible to assign a color to entities imported. If the **profile is created automatically**, the **color** will be taken directly **from the DXF file**;
- during DXF file import a status window appears showing the name of the file currently processed and the name of the import profile in use;

Vector 2D additional module

• The Vector 2D module now supports images with color depths up to 24bit.

ALUMacros additional module

 Introduced a new optional module dedicated to the creation of alucubond components: ALUMacros uses a series of simple guided steps to define the type of alucubond components to be created and the closures to be used;
 (*) more information on the dedicated brochure



🕑 Ok 🗵

• **Renewed program interface** and introduced **[cancel] button** to return to the beginning of the wizard with a single click;

reating a furniture - Run Cabinet noon MicMobile Set the destination I D:\ASPAN_SVIL	older where the furni UPPD\DRW\Cabine	ture item will be save (\MioMobile Sei	d	
Length Height Depth Description	600.00 800.00 600.00 Descrizione nu	avo mobile	abete	T v
Sc Composition	and modify the class	Shifts	Thicknesses	Edges
🚱 Cancel		Direview	S Back	Next 📎

• revised calculation of cabinet hardware positioning.

Nesting optional module

 Increased maximum size of the MACRO_DATA field used when importing via CSV file;



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