

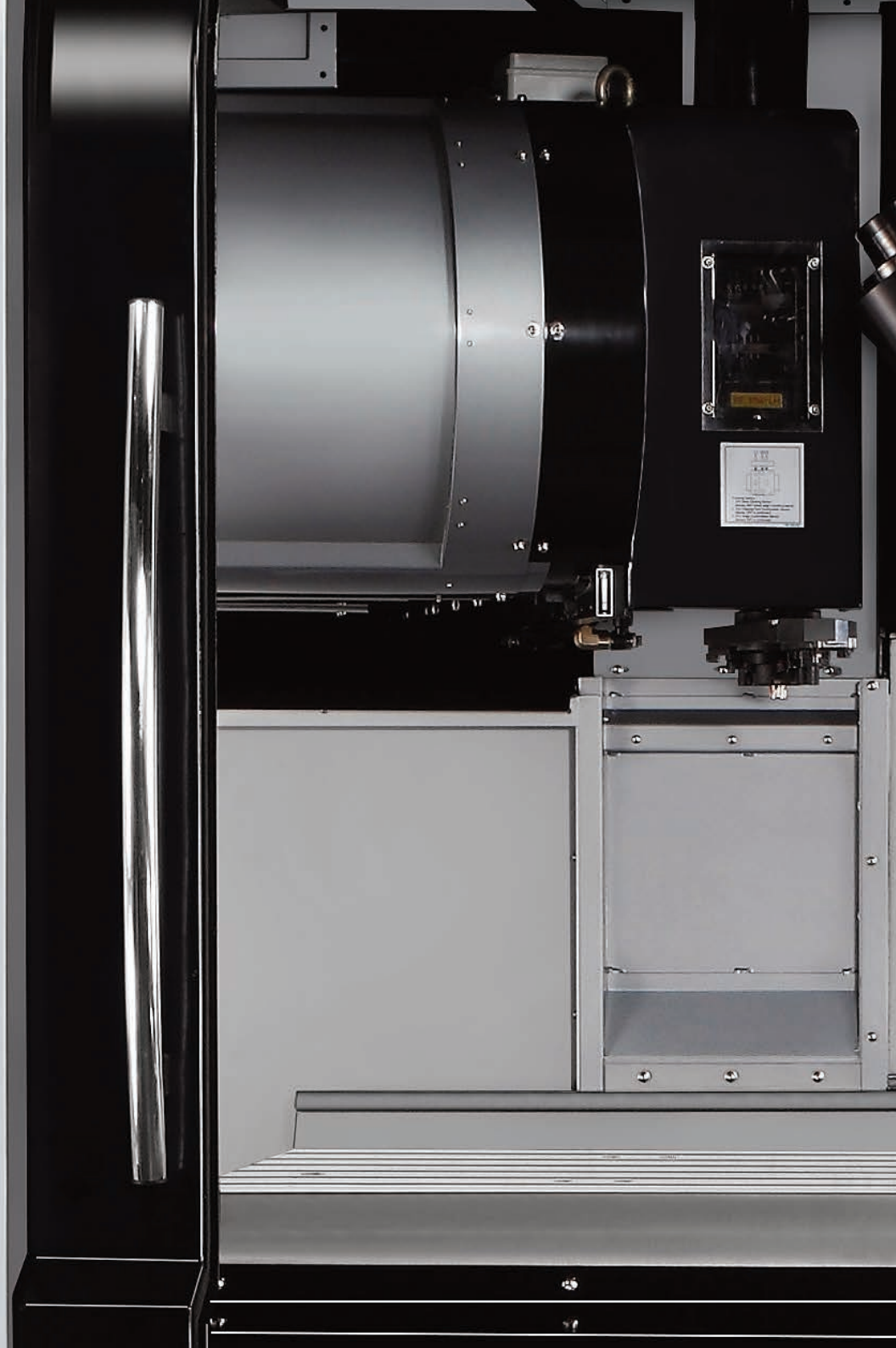


5-axis

machining centres

MAX 5

From print to
part to profit



SRTi, SWi and DCX5Si

- > VMX42SWi
- > VMX42SRTi
- > VMX42HSRTi
- > VMX60SWi
- > VMX60SRTi
- > DCX32 5Si
- > DCX42 5Si

Benefits of the SRTi Series

A swivel head, or “B” axis has substantial advantages over a traditional trunnion 5 axis machine in that less manipulation of the component is required.

Greater versatility – Available for use as a full-capacity 3 axis machine, when 5 axis parts aren’t being made.

Heavier, or larger part capacity – Only vertical load bearing is required. Also, parts larger than the table can be machined. This size limit is only restricted by the internal enclosure.

Better chip management – Most machining operations are completed in a horizontal orientation, allowing chips to fall freely from cavities.

Benefits of the SWi Series

For these models, the C axis is replaced with a conventional machine table to allow an A axis rotary table to be added, or heavier 4 axis work to be tackled.

Benefits of the DCX-5Si Series

The DCX range is perfect for very large components. The addition of the 2 axis spindle head allows access to 5 sides of the part without the need for manipulation.



	VMX42SWi	VMX42SRTi	VMX42HSRTi	VMX60SWi	VMX60SRTi	DCX32-5Si/5SCi	DCX42-5Si/5SCi
Table							
Working surface (mm)	1,270x610	1,270x610	1,270x610	1,676x660	1,676x660	3,000x1,700	4000x2100
Working surface rotary table (mm)		Ø600	Ø 600		Ø 600		
T-Slots (mm)	5x18x100	5x18x100	5x18x100	6x18x100	6x18x100	7x22x220	9x22x220
Max. Table load (Kg)	1,360	1,360	1,360	1,360	1,360	11,000	16,000
Max. Table load rotary table (Kg)		500	500		500		
Travels							
X-Axis (mm)	1,067	1,067	1,067	1,524	1,524	3,200	4,200
Y-Axis (mm)	610	610	610	660	660	2,000	2,600
Z-Axis (mm)	610	610	610	610	610	900	1,100
B-Axis (°)	± 90	± 90	± 90	± 90	± 90	± 105	± 105
C-Axis (°)		Continuous	Continuous		Continuous	± 185/Continuous	± 185/Continuous
Spindle Motor							
Spindle Power Max (KW)	36	36	35	36	36	54	54
Torque Peak (Nm) @ (rpm)	118@2,900	118@2,900	119@2,800	118@2,900	118@2,900	85@3,000	85@3,000
Spindle							
Taper	CAT/BT 40	CAT/BT 40	HSK-63A	CAT/BT 40	CAT/BT 40	HSK-63A	HSK-63A
Spindle Nose to Table (mm) Max	762	613	613	711	622	966	1142
Spindle Speed Max (rpm)	12,000	12,000	18,000	12,000	12,000	18,000	18,000
Toolchanger							
Stations	40	40	40	40	40	40	40
Max. Tool Diameter (mm)	76	76	76	76	76	76	76
Max. Tool Length (mm)	300	300	300	300	300	300	300
Max. Tool Weight (Kg)	7.0	7.0	8.0	7.0	7.0	7.0	7.0
Further details							
Rapid travel (m/min) X/Y/Z Axis	35/35/30	35/35/30	35/35/30	30/30/20	30/30/20	15/15/10	12/10/12
Rapid Travel (RPM) B/C Axis	50/-	50/100	50/100	50/-	50/100	11.25/7.5	11.25/7.5
Machine Weight (Kg)	7,130	7,550	7,550	8,670	9,091	36,770	50,900

Further information and technical data on the product, see www.hurco.co.uk.
Prices and information may change without notice.

VMXUi, VCXi and VTXi

- > VM10Ui
- > VMX30Ui
- > VMX42Ui
- > VMX60Ui
- > VTXUi
- > VM10UHSi
- > VMX30UHSi
- > VMX42UHSi
- > VCX600i

Benefits of a 5 axis trunnion machine

Easy transition from 3 axis machining. Using Hurco's unique "transform plane" conversational programming, 5 sided work can be programmed without the huge investment and learning required with a CAD/CAM system. A range of purpose built, structurally rigid machines cover a variety of capacity and table sizes.

High speed spindles are available on several of the models, as are automated pallet systems to help gain the maximum productivity from your investment.



	VM10Ui	VM10UHSi	VMX30Ui	VMX30UHSi	VMX42Ui	VMX42UHSi	VMX60Ui	VCX600i	VTXUi
Table									
Working Surface (mm)	Ø198	Ø198	Ø248	Ø248	Ø348	Ø348	Ø500	Ø600 x 600	Ø610 x 530
T-Slots (mm)	6 x 10	6 x 10	6 x 12	6 x 12	6 x 14	6 x 14	5 x 18	14 x 100	5 x 18
Max. Table Load (Kg)	150	150	200	200	250	250	500	350	400
Travels									
X-Axis (mm)	533	533	762	762	1,067	1,067	1,524	750	800
Y-Axis (mm)	406	406	508	508	610	610	660	550	700
Z-Axis (mm)	483	483	520	520	560	560	520	500	510
A-Axis (°)	+30/-110	+30/-110	+30/-110	+30/-110	+30/-110	+30/-110	+30/-110	-	+30/-110
20,000/30,000*B-Axis (°)								-110/+110	
C-Axis (°)	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Spindle Motor									
Spindle Power (KW) Peak	8.9	8.5	13.4	35.0	13.4	35.0	18.0	21.4	18.0
Torque Peak (Nm) @ (rpm)	57@1,500	5.9@14,700	214@600	119@2,800	214@600	119@2,800	237@720	108.7@1,600	237@720
Spindle									
Taper	CAT/BT 40	BT30	CAT/BT 40	HSK63A	CAT/BT 40	HSK63A	CAT/BT 40	CAT/BT 40	CAT/BT 40
Spindle Nose to Table (mm) Max	519	519	610	610	610	610	610	700	610
Spindle Speed Max (RPM)	10,000	20,000/30,000*	12,000	18,000	12,000	18,000	12,000	12,000	12,000
Toolchanger									
Stations	20	20	40	40	40	40	40	30	48
Max. Tool Diameter (mm)	89	60	75	76	75	76	75	80	75
Max. Tool Length (mm)	250	250	300	300	300	300	300	250	280
Max. Tool Weight (Kg)	7	5	7	7	7	7	7	7	7
Further Details									
Rapid Traverse (m/min) X/Y/Z Axis	24/24/24	24/24/24	35/35/30	45/45/40	35/35/30	45/45/40	30/30/20	30/30/30	35/35/35
Rapid Traverse (rpm) A/C Axis	25/25	25/25	25/25	25/25	25/25	25/25	17/21	25/25	17/17
Machine Weight (Kg)	3,360	3,102	5,280	5,280	7,200	7,200	8,545	10,000	12,500

* option

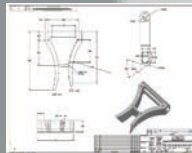
Max 5

From print to part to profit

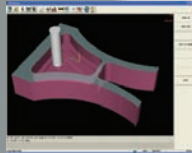
- > faster from drawing to finished part
- > shortest learning curve
- > fastest programming
- > intuitive operation
- > ergonomically designed



Sketch



Drawing



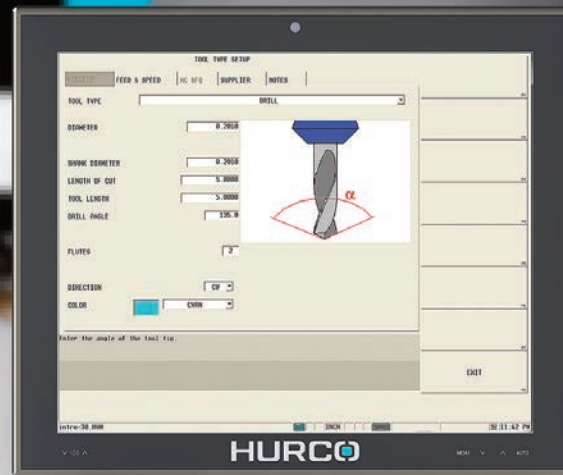
CAD/CAM



Desktop



DXF File



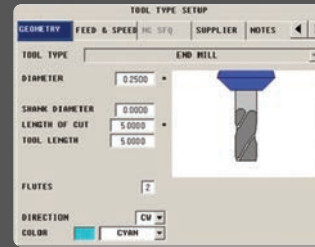
WinMax®:

Faster from the drawing to the finished part

HURCO continues its reputation for technology innovation that yields measurable productivity gains for its customers because we're focused on your success. When we designed WinMax® control software, we focused on simplicity for the user. Less keystrokes, intuitive software, advanced graphics capabilities, and an enhanced graphical interface.

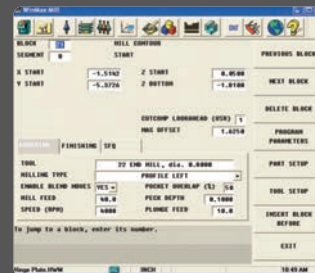
Conversational programming with WinMax® gets you from print to part faster than ever. Three steps and you're there.

- > **Setup.**
- > **Program.**
- > **Verify.**
- > Powerful software simplifies 5-sided programming.
- > Reduce programming time by 80 percent with Swept Surface. Additional tool path strategies simplify 3D mold programming*.
- > Maximize surface finish and minimize time with Select Surface Finish Quality Machining.
- > Eliminate bottlenecks with automated programming of DXF Transfer feature*.
- > Incorporate NC code into conversational programs with NC/Conversational Merge*.
- > Save time with Math Assist feature that automatically trigs out missing values.



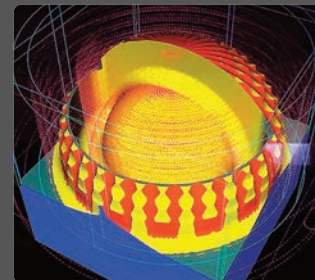
Step 1: Setup

Setup is even easier with the WinMax® Tool & Material Library. Set up each tool one time and you're finished—the parameters are stored with the control so you just recall the tool the next time.



Step 2: Program

The graphical user interface of WinMax simplifies programming. Conversational programming with WinMax® will save you time and give you peace of mind — especially when you need to hire and train employees because it's easy to learn and easy to use.



Step 3: Verify

Advanced Verification Graphics with 3D solid rendering of the part, including dynamic rotation and real time tool display, make proving out the part a snap. View the part from any angle without the need to redraw it.

- > Tool and Material Library*
9,999 programmable tools
- > Tool change optimization with Conversational Programs*
- > Conversational NC-Merge*
- > HURCO Ultimotion, high speed contouring

* optional

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