



## HURCO VMX42SRTI PERFORMANCE 5-AXIS MC - (CAT40, 12K, 40T)

**\$309,895.00**

The SR series of 5-axis CNC mills offers multiple advantages, starting with the machine's design configuration that utilizes a swivel head with either an A or C style rotary table. The generous size of the rotary table provides maximum versatility because you can use the extra table space for secondary operations or 3-axis work.

### **Benefits of the SR 5-Axis Mill**

The design of the swivel head 5-axis machining center makes the SR the best choice for certain applications.

**Versatility.** The large rotary table provides versatility that allows you to use the extra table space for secondary operations or 3-axis work.

**Heavier Parts.** Because the table is stationary, the swivel head/rotary table 5-axis machining centers are typically preferred when machining heavier parts.

**Better chip control.** With the swivel head/rotary table configuration, you can run

the machine horizontally and gain better chip control.

**Unlimited angular movement of C-axis.** With a swivel head/rotary table 5-axis machining center, it is extremely important to make sure the table (C-axis) supports unlimited angular movement. For example, if you are machining down a steep wall and going around the part, the table needs to rotate in a continuous motion. If the C-axis is limited to +360 / -360 degrees of motion, it will literally need to unwind at regular intervals to machine the part. Conversely, the tables on the Hurco SR 5-axis mills are built with unlimited and continuous rotation because our focus from design to delivery is to maximize productivity and profitability for our customers.

**Tool access for swept surfaces and complex contours.** There are certain applications, such as impellers or turbines, when it is beneficial to approach the part from underneath. When you mill uphill, as it is sometimes called, the base of the spindle is lower than the tool tip. The B-axis tilting head with the C-axis rotary table of the SR machining center supports this type of cutting strategy, whereas a trunnion style 5-axis mill doesn't.

**STARTING AT \$309,895**

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**SKU:** N/A

**Category:** [New Machines](#)

## ADDITIONAL INFORMATION

<b>X, Y, Z Travel</b>	42 x 24 x 24 in
<b>B, C Axis Travel</b>	+/- 90°, 360°
<b>Spindle Nose to Table (Min-Max)</b>	24.13 in max
<b>Table Size</b>	50 x 24 in
<b>Table Size C</b>	23.6 in dia
<b>Max Weight On Table</b>	3,000 lbs (1,360 kg)
<b>Max Weight on Rotary/ Trunnion Table</b>	1,100 lbs (500 kg)
<b>T-Slot Size</b>	5 x .71 in
<b>Peak Spindle Motor</b>	48 hp @ 2,900 rpm (36.5 kw @2,900 rpm)
<b>12k</b>	87 ft-lbs @ 2900 rpm (118 Nm @ 2,900 rpm)
<b>Number Of Tools</b>	40
<b>Tool Type</b>	CAT, BT, DIN 40
<b>Max Tool Diameter</b>	2.95 in
<b>Max Tool Length</b>	11.8 in (300 mm)
<b>Max Tool Weight</b>	17.6 lbs (8 kg)
<b>Max Programmable Feedrate</b>	1,181 inches/minute (30 m/minute)
<b>Rapid Traverse X,Y,Z Axis</b>	1,378 in/min, 1,378 in/min, 1,181 in/min

<b>Rapid Traverse A,C Axis</b>	50 rpm, 100 rpm
<b>Machine Weight</b>	18,520 lbs (8,400 kg)
<b>Required Floor Space</b>	202.4 x 157.4 in
<b>Power Rating/ Full Load KVA</b>	62 KVA
<b>Voltage Needed</b>	400 VAC / 60 Hz
<b>Air Needed</b>	5.5-15 CFM @ 80-100 psi