

VTX SERIES



Models Available:

VTX-2000, VTX-2500, VTX-3500, VTX-4000, VTX-5000

RACER
High-Quality is our Priority

PHANTOM MACHINE TECHNOLOGY™



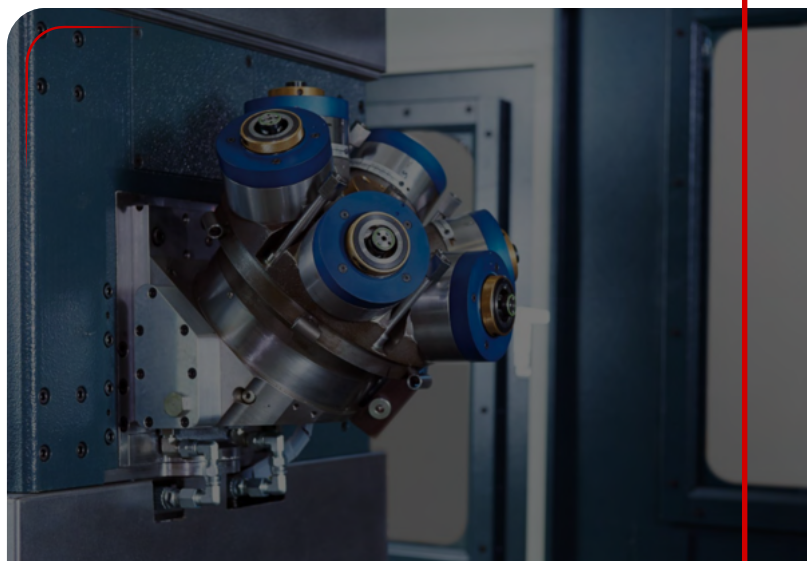
RACER Machinery International Inc. and its team of experts have developed a patent technology so advanced that it redefines all aspects of the machine tool industry. This includes everything from the production of the equipment to the end users machining time, tooling requirements, tool savings and workplace noise pollution.

BENEFITS

- Dramatically reduced machining time.
- Astounding cutting performance.
- Versatility in performance.
- Remarkable reduction in noise pollution.
- Extensive reduction in tooling costs; increase in tooling life.
- Easy setup and use.
- Flexibility in production capacity.
- Rigid construction assures optimal rigidity and stability during heavy cutting.
- Harmonized assembly allows for high quality finishing.
- Environmentally friendly manufacturing process.

CAPABILITIES

- Spindle Speeds up to 24,000 rpm.
- X travel up to 20 meters.
- Bore sizes up to 610 mm.
- Multi axis simultaneous controlled movement.
- Taking heavy duty machining to the next level.
- Each machine has a dynamic and static accuracy test.
- Automatic tool changer up to 240 tools.



COMPREHENSIVE SUPPORT

RACER provides the highest of level of training, service, and support in the industry. **Training** includes three days of **programming/applications** training at a local university. Additionally, the customer's maintenance personnel are invited for the last week of assembly and run off at our plant.

After **installation** at the customer's facility, RACER service personnel and engineers, work with three groups of customer personnel, namely, maintenance, operators and high level engineers to ensure understanding of the equipment to make in house **support** as effective as possible.

*Technical support is available at 519-498-6118 .
Both our local dealer and our internal field service group are available to assist when required.*

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Training



Installation



Applications



Service and
Support

SIEMENS

SINUMERIK ONE CONTROL



SINUMERIK ONE CONTROL enables a consistent “digital-first” strategy.

Key manufacturing processes are always simulated first using digital twins; in other words, detailed virtual images of the controls and machining.

The result is faster communication with customers about deadlines, more accurate planning and job preparation, and increased productivity, even with smaller batch sizes and an increasing range of variants.

- 19inch TFT Colour Flat Screen
- Keyboard Unit with Full Keyboard,
- Key-operated Switch and USB and Ethernet interface
- 5 Axis Transformation Machining and Tilted
- Workplane Function
- Machining Package 5 Axes Contains
- Multi-axis Interpolation
- ShopMill
- Residual Material Detection and Machining for Contour
- Pockets and Stock Removal
- 3D Simulation (Finished Part)
- Simultaneous Recording
- Advanced Surface Motion Control
- Additional HMI User Memory on Compact Flash Card of the
- NCU
- 3D Tool Radius Compensation
- Measurement Cycle for
- Improving Accuracy of Rotation & Swiveling Axes (Measure
- Kinematics)
- Spline Interpolation (A, B & C Splines)
- TRANSMIT/Cylinder Surface Transformation
- Measuring Cycles for Drilling/Milling
- Collision Avoidance



SIEMENS | **RACER**

SPECIFICATIONS

	VTX-2000	VTX-2500	VTX-3500	VTX-4000	VTX-5000
CAPACITY					
Max . Turning Diameter and Swing mm	2100	2500	3500	4000	5000
Table Diameter mm	2000		3000	3500	4500
Max. Turning Height mm	1000	1600	1700	2500	
Extended Tiurning Height (optional)	up to 2000	up to 2500		3200	up to 4000
Max. Table Load Kg	22000	33000	44000	66000	88000
TABLE DRIVE					
Max. Speed (RPM)	450	260	200	100	80
Power, kW	44.74	44.74	99.92	89.48	119.31
Torque N/M	30000	49000	81000	200000	250000
RAM					
Ram Size mm	204 x 204	254 x 254		305 x 305	
Max. Cutting Force N/M	40000	50000		60000	
ATC					
Positions	12(24/32 opt)				
TRAVELS					
Distance Table to Ram					
Ram (z-Axis) mm	800	1250	1300	1600	1600
Extended Ram mm	up to 1600	1600		2100	
Cross Rail Travel mm	600	1000	1200	1600	
CrossRail Fixed Positions mm	200			400	
Number of Cross Rail Positions Distance mm	4	6		5	
X & Z Rapids mm	12000	10000			
X & Z Feed Rates mm	5000				



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