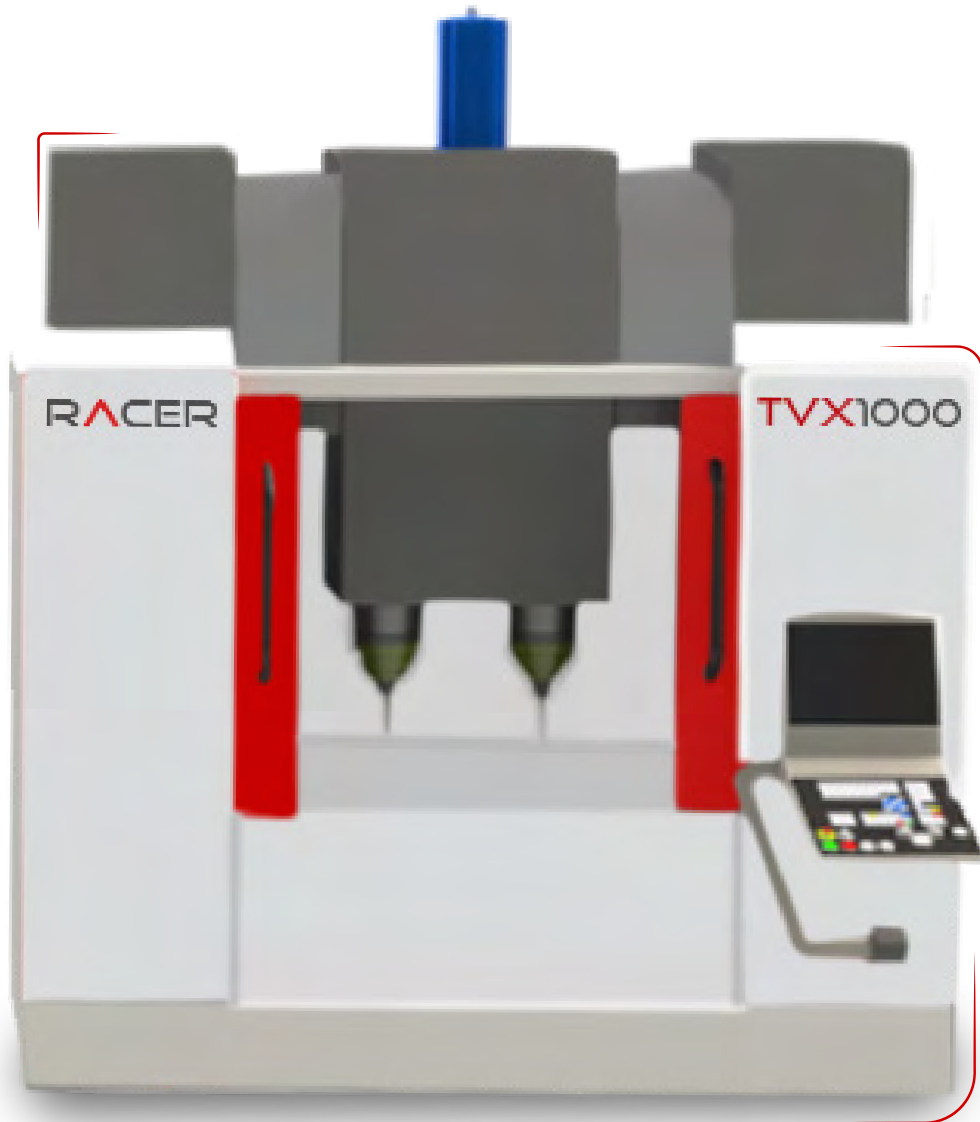


TVX SERIES



Models available: TVX-1000

RACER

High-Quality is our Priority

PHANTOM MACHINE TECHNOLOGY™



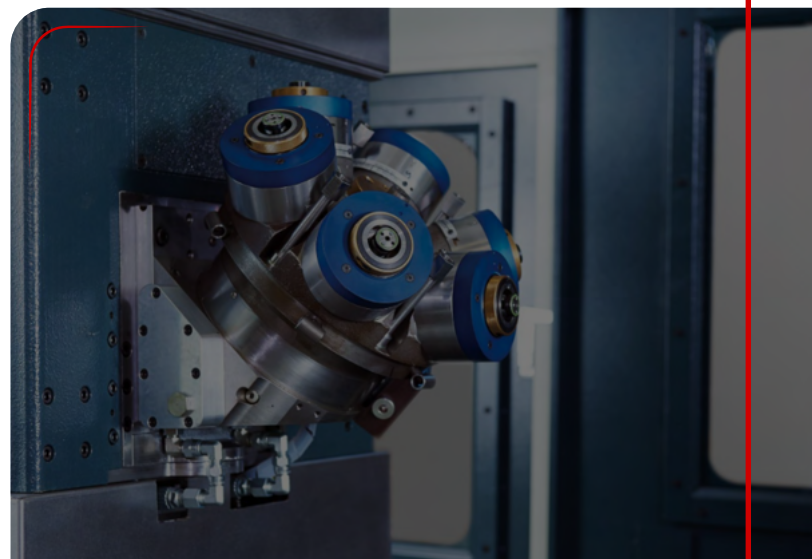
RACER Machinery International Inc. and its team of experts have developed a patent technology so advanced that it redefines all aspects of the machine tool industry. This includes everything from the production of the equipment to the end users machining time, tooling requirements, tool savings and workplace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

RACER
High-Quality is our Priority



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)
- TANSMIT/Cylinder Surface Transformation
- Measuring Cycles for Drilling/Milling
- Collision Avoidance



SIEMENS | **RACER**

SINUMERIK ONE LAUNCH PARTNER IN NORTHAMERICA

Specifications

Model TVX-1000	
Travel Specifications	
Table Size	500mmx1000mm
X Travel	1040mm
Y Travel	508mm
Z Travel	600mm
Spindle Specifications	
Number of Spindles	2
Spindle Taper	CAT 40
Max RPM	8,000
Spindle Motor Power	11kW
Distance between spindle	460mm (18.1")
Feeds	
Maximum Feed (X, Y, Z)	up to 36 m/min
Tool Storage Capacity	16 Tools x 2
Max Length of Tool	300 mm
Max tool diameter (All pods full)	75 mm
Max Weight of Tool	8 Kg
Machine Accuracy (X, Y, Z)	
Axis Positioning	+/- .0002" (.0050 mm)
Axis Repeatability	+/- .0001" (.0025 mm)
Miscellaneous	
Air Requirement (Minimum)	85 psi
Power Requirement	60 KVA
Coolant Tank	300 L
Machine Weight Approx	8300 kg
Machine Dimensions Approx	3600mm x 2520mm x 2800mm



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