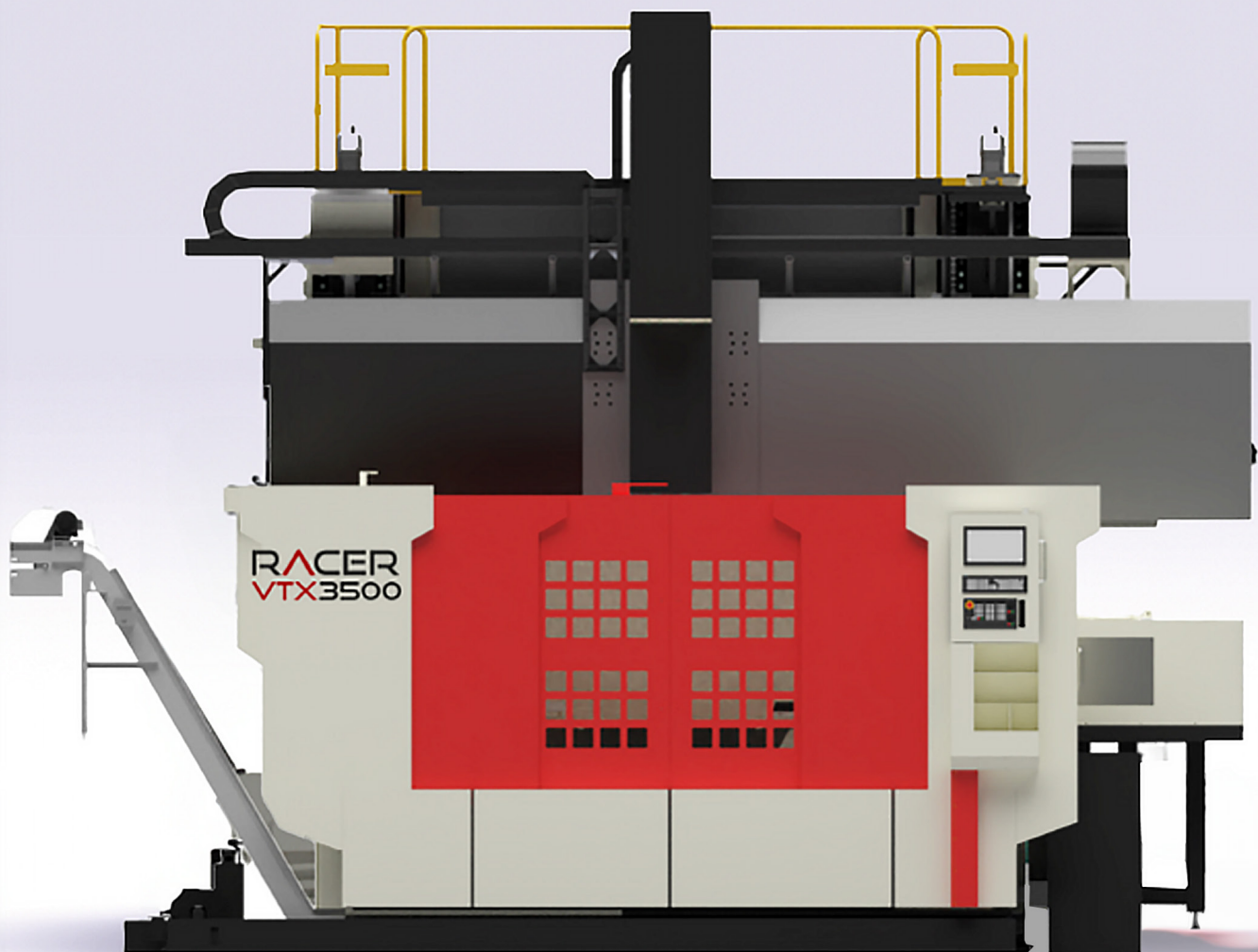


RACER

Revolutionizing Manufacturing Processes with Cutting-Edge CNC Technology

VTX SERIES



MODELS AVAILABLE: VTX 2500/VTX 3500/VTX 4000/VTX 5000

ABOUT RACER

ESTABLISHED 1983

Racer Machinery International Inc. (RACER) manufactures innovative turnkey solution CNC machine tools, metal cutting engine lathes and industrial saws providing high-quality North American built products to production operations worldwide.

As one of the remaining few machine tool builders and the only engine lathe manufacturer in North America, our technologically advanced machine tool manufacturing process and diverse experience give us the capability to handle projects of a variety of scope and scale.

Our growing success stems from the ongoing commitment to research and development, engineering experience and dedication from our team. Our goal is to develop products that help our customers achieve their company goals while providing innovation and quality in all our products.

Capitalizing on the recent successes of RACER's brands, the company expanded its capabilities further when it acquired the assets and manufacturing rights for Standard Modern™.

With over 17,000 Standard Modern™ installations in North America, Standard Modern™ lathes are being used extensively in precision, high-tech machine shops, used by both the Canadian and United States military, and many technical colleges and trade schools.

Bringing over 80 years of experience to Racer Machinery's portfolio, Standard Modern™ machines are one of the most trusted in the machine tool industry.

The two companies have been working closely together since 1983, making this acquisition a welcomed addition to the RACER family. Still proudly produced in North America, Racer Machinery now manufactures the Standard Modern™ lathes with the same level of quality that is expected for all of its products.



Our vision is to provide our customers with creative and high-quality solutions for their machines.

OUR VISION

PHANTOM MACHINE TECHNOLOGY

... THE KEY TO SUCCESS

Racer Machinery International Inc. and its team of experts have developed a 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

- Harmonized assembly allows for high quality finishing.
- Dramatically reduced machining time.
- Environmentally friendly manufacturing process.
- Extensive reduction in tooling costs; increase in tooling life.



CAPABILITIES

- Astounding cutting performance.
- Versatility in performance.
- Easy setup and use.
- Remarkable reduction in noise pollution.

CNC CONTROL OPTIONS

SHAPING YOUR EXPERIENCE

At RACER Machinery International, where choice reigns supreme. With our exclusive range of three cutting-edge CNC control systems, curated from the industry's most reputable brands. Embrace the power to personalize your CNC experience.

FANUC

The Series Oi-F offers more axes, ladders and paths, as well as high-speed auxiliary machine functions and an expanded list of standard features. Additional features available on the Series Oi - MODEL F include 15" display, QWERTY keyboard, I/O Link i, high-speed rigid tapping, tolerance control, axis name expansion, program folder management, quick program restart, flexible pathaxis assignment, multi-path PMC function, ladder dividing management, EtherNet/IP and PROFINET

SIEMENS

From basic, standard CNC machines through standardized machine tools up to modular, high-end machine concepts – SINUMERIK CNCs offer the optimum solution for each and every machine concept. Whether individual part or mass production, basic or complex workpieces – SINUMERIK is the highly productive automation solution across all production domains. These extend from prototype and tool building through mold making up to large series production.

- Panel-based compact CNC
- Up to 10 axes/spindles and 2 auxiliary axes
- Up to 2 machining channels T, M, G
- 10.4" display or 15.6" touch display

CENTROID™

- MADE In AMERICA
- Feature rich, inexpensive CNC Control
- Closed Loop CNC Controller
- eCat Servo Drive Comm. Protocol
- Up to 8 Axis
- Onboard 32 in, 32 out. (Add up to 80 in/out)
- On board Motion Control CPU
- Ethernet communication to CNCPC
- Two Analog Outputs
- Two PWM Outputs
- One Analog Input



COMPREHENSIVE SUPPORT

FOR THE ULTIMATE PEACE OF MIND



RACER provides the highest 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's team of experts are here to service you in times of need.
- Our service team can assist with machine troubleshooting issues, preventative maintenance, increasing the productivity of your machine, programming issues, other technical issues, or spare parts.
- In some cases, support can be provided over the phone but otherwise our team is ready to provide support at your facility.
- Assistance includes but not limited to: Programming, Machine Service & Maintenance, Operator Training, and Customer Training.



Training



Applications



Installation



Customer Support

TECHNICAL COMPONENTS

VTX SERIES

1 CROSSRAIL

Our VTX features a guided, full ram travel Cross rail for precision and dual-tool capacity. Programmable Y-axis indexing enables extended height, accommodating taller parts with ease. Enhance accuracy and versatility in turning operations.

2 FULL TRAVEL AXIS

The rail is designed for full length travel. This allows for turning of the I.D. and O.D. of a part. It also ensures rigidity and accuracy by being supported and driven on both ends.

3 FRAME

The frame was designed using RACER's patented Phantom Machine Design process. The frame weldment is designed to absorb maximum vibration.

4 TOOLING SYSTEM

The machines can accept tooling for turning, milling or grinding.

5 LARGE CAPACITY TOOL CHANGER

A 32 station tool changer is standard on this series. It is mounted off the machine frame.



1

2

3

4

5

SPECIFICATIONS

	VTX 2500	VTX 3500	VTX 4000	VTX 5000
Capacity				
Max Turning Diameter	2700	3500	4000	5000
Table Diameter	2500	3500	4000	5000
Max Turning Hieght	1600/2000		2500/3200	2500/3200/3600
Max table load kg	25000	35000	60000	80000
Table Spindle				
Max speed	200	120	80	60
Power	60	60	120	120
Gear Box	2 speed			
Torque nm	74000	80000	200000	250000
Ram Size	254x254		305x305	
Max cutting force	50000		60000	
Milling Spindle				
Power	22/30.		30/37.	
Max Speed	3000			
Gear box	2 speed			
C Axis				
Power kw	5.5		7.7	
Speed rpm	6			
ATC				
ATC Positions	16/32			
Taper	CAT 50			
Max Weight	96kg			
Distance to table to ram				
Ram travel Z axis	1300/1600		1600/2100	1600/2100
X axis Travel	2600	3400	4000	5200
Cross rail travel W axis	1200/1600		1600/2600	1600/2600/3000
number of cross rail positions	6			
x and z rapid	10000			
x and z feed	5000			
W axis Rapid	300			

RACER

TO LEARN MORE ABOUT THE VTX SERIES

www.racerinternational.com

