

SMOOTH TECHNOLOGY

Designed and Manufactured in Kentucky

VC-500A/5X



MAZATROL
SMOOTHX



Specification

Item	VC-500A - 5X
Travel X / Y / Z-axis	21.85"/19.88"/20.07" (555mm/505mm/510mm)
Spindle	12,000 rpm 25 HP (5-min rating) / 10 HP (Cont.) 18.5kW (5-min rating) / 7.5kW (Cont.)
Tool Magazine	30 Tools / 60 Tools (opt)
Table size	Tapped Pallet ø19.69" (Ø500mm) T-Slot (opt)
Max. work size	(ø19.69" x 12.00") (Ø500mm x 305mm)
Max work weight	441 lbs (200kg)



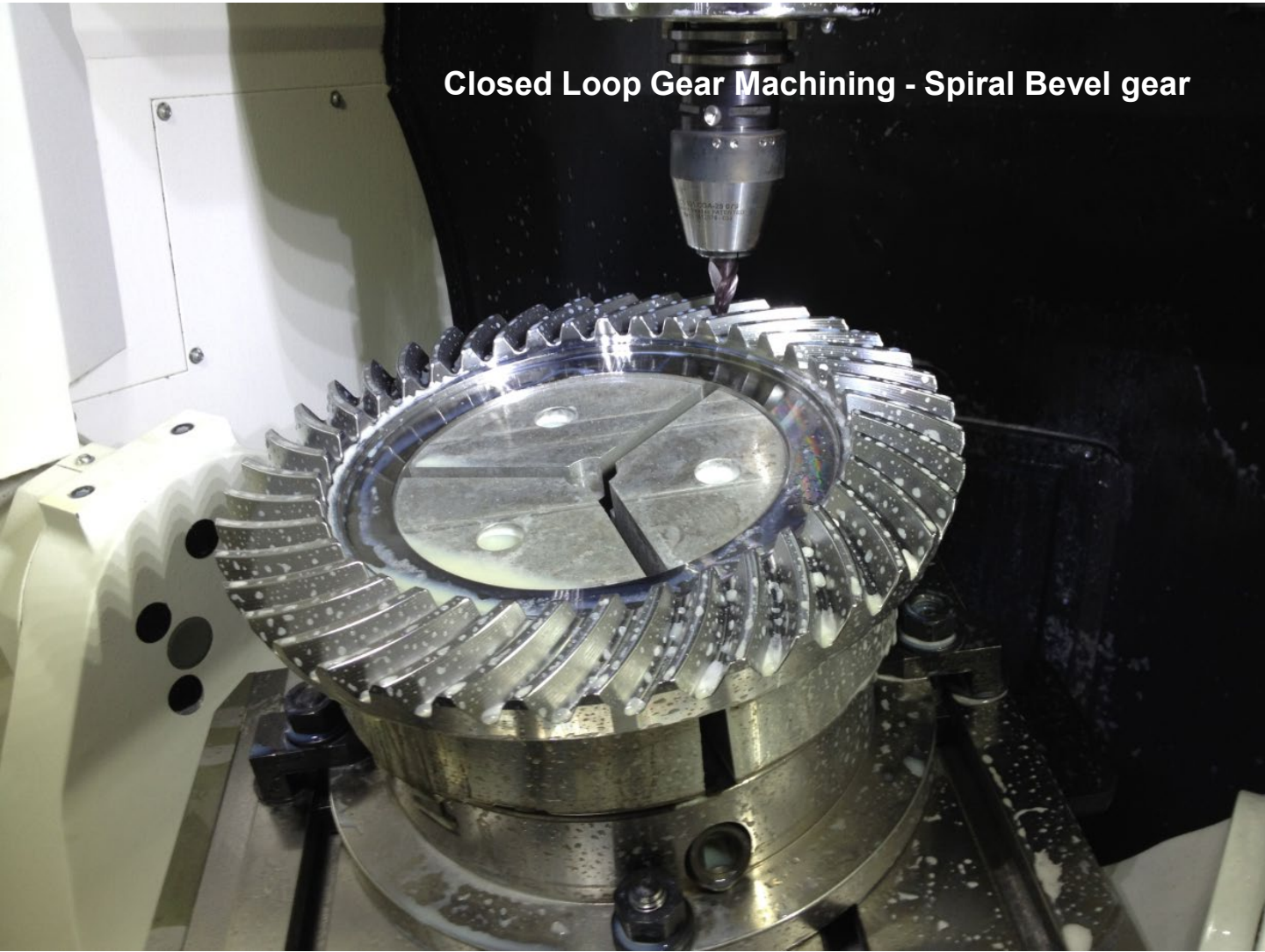
Mazak iSMART Factory

DISCOVER MORE WITH

Mazak

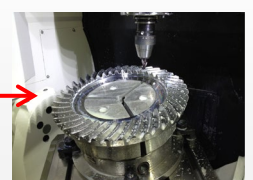
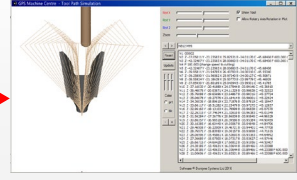
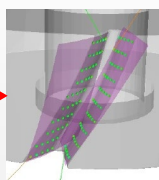
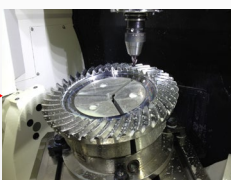
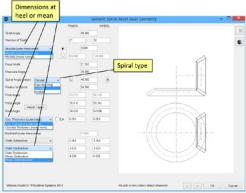
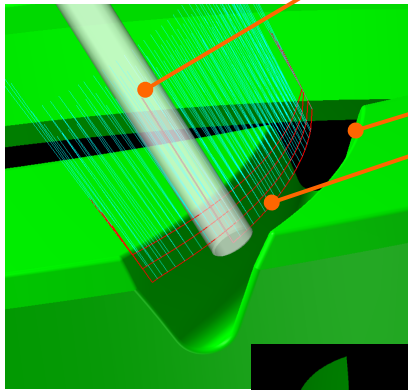
Technology

Large Machinery (Steel)



Closed Loop Gear Machining - Spiral Bevel gear

- 1 Profiles Machined with Common Tools
- 2 5-Axis Simultaneous Machining
- 3 High-accurate 5-axis machining by easily tuning the parameters
- 4 CLGM - Tooth Surface Model by Dontyne and inspected with Renishaw/AIMS



Cut

Inspect

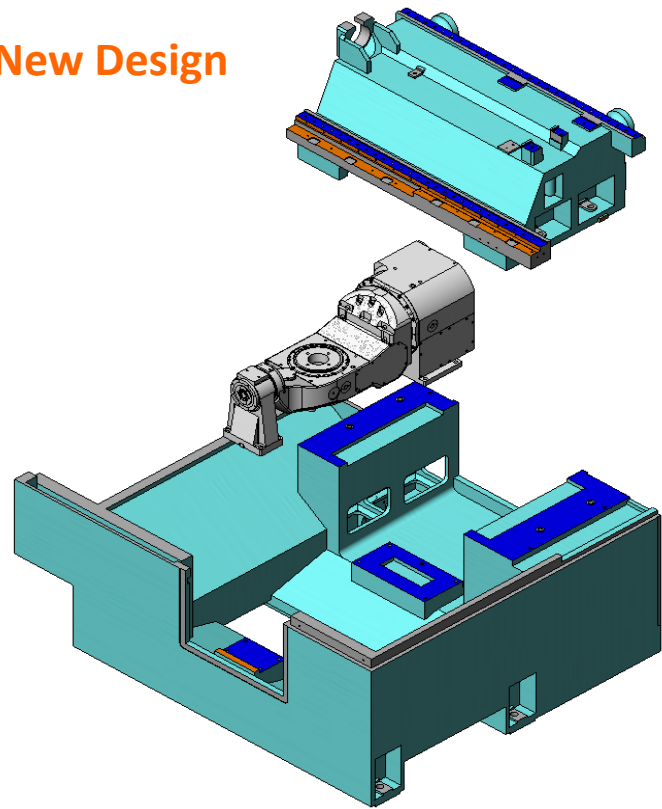
Adjust Tool path

Re-Cut





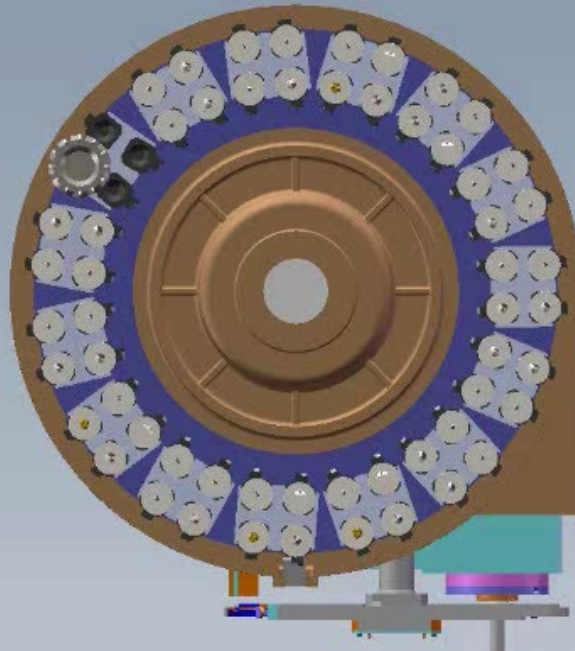
All New Design



Technical Feature

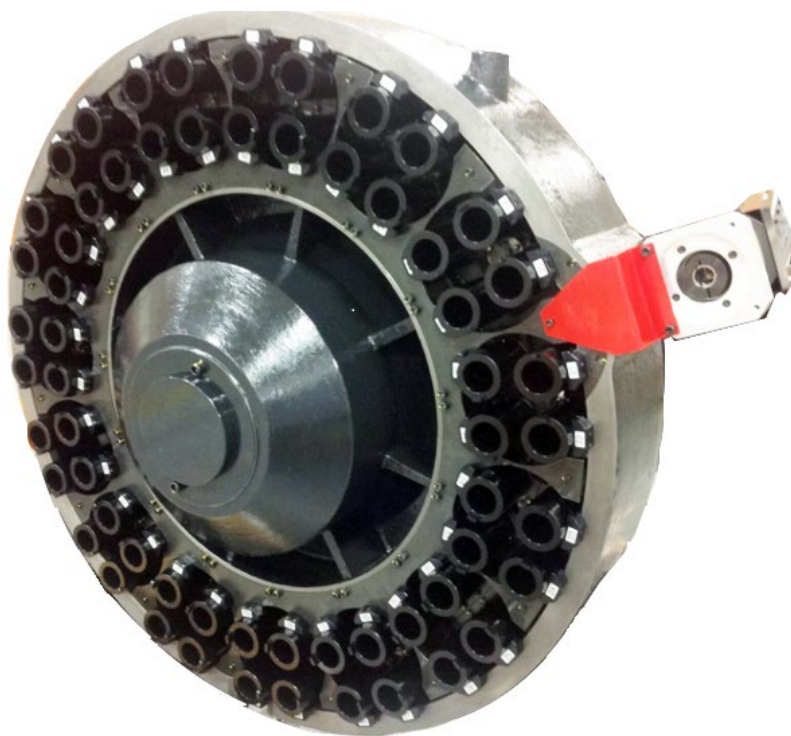
- 1 Proven Smooth X 5-axis control** with optional Dontyne closed loop machining.
- 2 Quality and accuracy**
New unified base design enhances rigidity and ensures thermal stability
- 3 60 tool magazine** allows complex part processing, redundant tooling and greatly reduces set up time.
- 4 Designed and built in KY** as a competitively priced full 5 axis vertical machining center
- 5 Minimum floor space**
Space saving design integrates easily into many manufacturing layouts





Technical Feature

A completely new design structure for Mazak VC series



This unique turret-style magazine with 15 four-tool position units makes it possible for the machine to maintain the same footprint size whether it shores the optional 60 tools.

Other benefits of the design include tooling versatility for different workpiece types and reduced job setup times.

