

### HONOR SEIKI

has become a very successful and well-recognized builder of high precision, high quality custom designed vertical turning centers for the Aerospace, Nuclear Power, Alternative Power and Precision Bearing Industries

### + 300 INSTALLS IN THE USA

With a large number of successful U.S. installations that have met or exceeded customers expectations in reliability, performance and accuracy, HONOR SEIKI and CNC Systems are focused to provide you with custom turning solutions that our competitors don't offer.



## VL-46A, 66A, 86A, 100A

### HIGH SPEED SERIES

|                     |                 |
|---------------------|-----------------|
| Max Swing Diam:     | 22 to 51.2 inch |
| Max Turning Diam:   | 22 to 43.5 inch |
| Max Turning Height: | 17 to 40 inch   |
| Chuck Sizes:        | 12 to 40 inch   |
| Horse Power:        | 25 to 60 HP     |
| Spindle Speed:      | 850 to 2500 rpm |
| Turret:             | H12             |

Note: Live Tooling Available on All Models



## VL-160C VL-160CM

|                       |                    |               |
|-----------------------|--------------------|---------------|
| Max Swing Diam:       | 2000 mm / 78 inch  |               |
| Max Turning Diam:     | 2000 mm / 78 inch  |               |
| Max Turning Height:   | 1250 mm / 49 inch  |               |
| Max Workpiece Weight: | 8000 kg / 17600 lb |               |
| Table Diameter:       | 1600 mm / 63 inch  |               |
| Spindle Speed:        | 3-250 rpm          |               |
| ATC:                  | 12                 | 16 std 40 opt |
| Live Tooling Spindle: | N/A                | Standard      |



## VL-100C VL-100 CM

|                       |                                  |
|-----------------------|----------------------------------|
| Max Swing Diam:       | 1200 mm / 47 inch                |
| Max Turning Diam:     | 1100 mm / 43 inch                |
| Max Turning Height:   | 650~950 mm / 25.6 FR~37 MR inch* |
| Max Workpiece Weight: | 3500 kg / 7700 lb                |
| Table Diameter:       | 1000 mm / 39 inch                |
| Spindle Speed:        | 3-400 rpm                        |
| ATC:                  | 12 positions                     |

Live Tooling Spindle: N/A Standard

\*FR = Fixed Rail MR = Movable Rail



## VL-200C VL-200CM

|                       |                     |               |
|-----------------------|---------------------|---------------|
| Max Swing Diam:       | 2500 mm / 98 inch   |               |
| Max Turning Diam:     | 2500 mm / 98 inch   |               |
| Max Turning Height:   | 1600 mm / 63 inch   |               |
| Max Workpiece Weight: | 12000 kg / 26400 lb |               |
| Table Diameter:       | 2000 mm / 78 inch   |               |
| Spindle Speed:        | 3-200rpm            |               |
| ATC:                  | 12                  | 16 std 40 opt |
| Live Tooling Spindle: | N/A                 | Standard      |



## VL-125C VL-125CM

|                       |                    |
|-----------------------|--------------------|
| Max Swing Diam:       | 1600 mm / 63 inch  |
| Max Turning Diam:     | 1600 mm / 63 inch  |
| Max Turning Height:   | 1250 mm / 49 inch  |
| Max Workpiece Weight: | 5000 kg / 11000 lb |
| Table Diameter:       | 1250 mm / 49 inch  |
| Spindle Speed:        | 3-300 rpm          |

ATC: 12 16-40

Live Tooling Spindle: N/A Standard



## VL-250C VL-250CM

|                       |                     |  |
|-----------------------|---------------------|--|
| Max Swing Diam:       | 3000 mm / 118 inch  |  |
| Max Turning Diam:     | 3000 mm / 118 inch  |  |
| Max Turning Height:   | 1600 mm / 63 inch   |  |
| Max Workpiece Weight: | 15000 kg / 33000 lb |  |
| Table Diameter:       | 2500 mm / 98 inch   |  |
| Spindle Speed:        | 3-160rpm            |  |

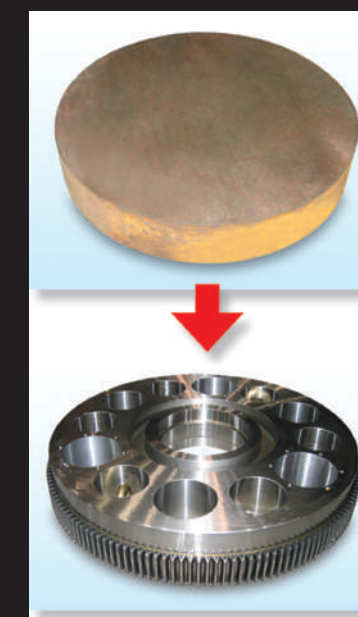
ATC: 12 16 std 40 opt

Live Tooling Spindle: N/A Standard

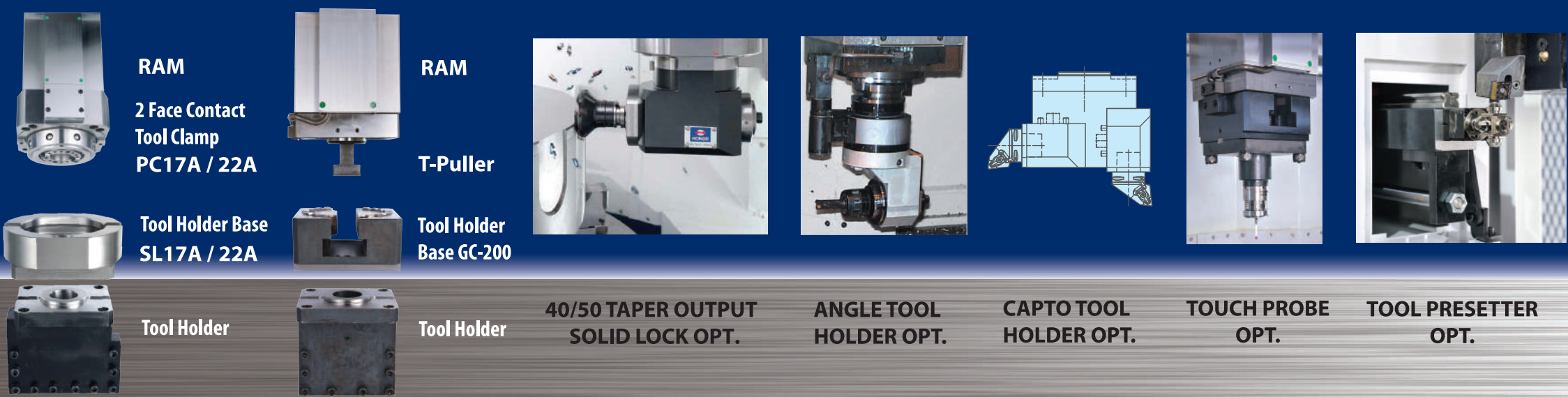


### Notable Machine Features:

- Turn Sizes up to 177 inches
- Up to 77,000 Lbs Part Capacity
- Wide Double Columns
- Massive Torque Ranges
- Live Tooling (M Series)
- Full C-Axis
- Can be Customized
- Fanuc, Siemens, Fagor Controls



HIGH PRECISION  
HIGH EFFICIENCY  
HIGH DURABILITY



# HONOR SEIKI

## VERTICAL TURNING EXPERTS

C-Series Models come without live tooling.

### VL-300CM

### VL-350CM

### VL-400CM

|                            |                          |                          |                          |
|----------------------------|--------------------------|--------------------------|--------------------------|
| Max Swing Diam:            | 3600 mm / 141 inch       | 4000 mm / 157 inch       | 4500 mm / 177 inch       |
| Max Turning Diam:          | 3600 mm / 141 inch       | 4000 mm / 157 inch       | 4500 mm / 177 inch       |
| Max Turning Height:        | 2000 mm / 78 inch        | 2000 mm / 78 inch        | 2000 mm / 78 inch        |
| Table Diameter:            | 3000 mm / 118 inch       | 3500 mm / 137 inch       | 4000 mm / 141 inch       |
| Max Workpiece Weight:      | 20,000 kg / 44,000 lb    | 30,000 kg / 66,000 lb    | 35,000 kg / 77,000 lb    |
| Spindle Speed:             | 140 rpm                  | 120 rpm                  | 100 rpm                  |
| ATC:                       | 16, 20, 24, 40 positions | 16, 20, 24, 40 positions | 16, 20, 24, 40 positions |
| Live Tooling Spindle Speed | 50-2250 RPM              | 50-2250 RPM              | 50-2250 RPM              |



DBL ATC OPTION



APC OPTION



Y-AXIS PLANAR OPT.



DUAL RAM

VERTICAL TURNING  
VERTICAL GRINDING  
SPECIAL PURPOSE

**DESIGNED & BUILT TO  
YOUR REQUIREMENTS!**

### VL-160CM



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