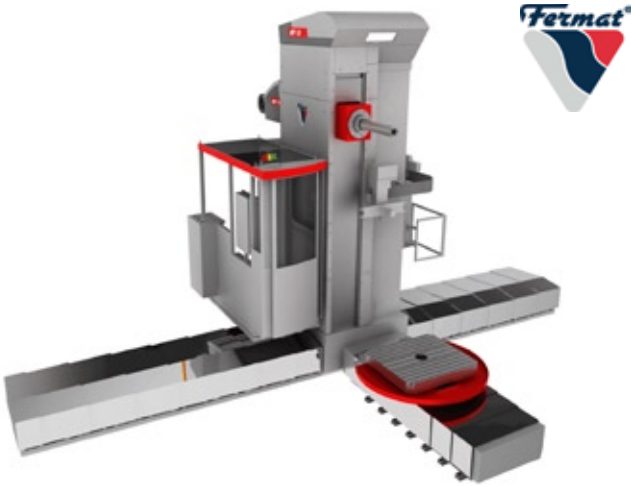
## Floor Type – WF 13 & 13R CNC

## METRIC



**NEWEST TECHNOLOGY FEATURING EUROPEAN DESIGN**

• THE MODERN EUROPEAN DESIGN OF THIS UNIVERSAL BORING AND MILLING MACHINE PROVIDE GREATER CONTROL WHEN PROCESSING LARGE AND HEAVY WORKPPIECES WITH GREATER PRECISION AND HIGH QUALITY

• CONTROL SYSTEMS - HEIDENHAIN ITNC 530 / FANUC 31 / SEIMENS 840D

**MACHINE AXES**

• THANKS TO OUR MODULAR DESIGN OUR CUSTOMERS CAN CONFIGURE THE MACHINE TO THEIR REQUIREMENTS

• X-AXIS (COLUMN TRAVEL) FROM 2300 MM TO 7800 MM - POSSIBILITY TO EXTEND 500 MM OR 1000 MM

**THE ADDITIONAL CNC ROTARY TABLE IS OFFERED IN THREE DIMENSIONS**

• 1600 X 1800 MM WITH MAXIMUM TABLE LOAD 15 TONS

• 1800 X 2200 MM WITH MAXIMUM TABLE LOAD 15 TONS

• 2000 X 2400 MM WITH MAXIMUM TABLE LOAD 20 TONS

**THE V-AXIS (TABLE-REVERSE) IS OFFERED FROM 1500 TO 6200 MM**

• MULTIPLE ACCESSORIES AVAILABLE

• COMBINING SPEED AND ACCURACY WITH POWER INCREASES YOUR FLEXIBILITY TO HANDLE THE MOST DIFFICULT JOBS WITH PRECISION

## WF 13 & 13R CNC - METRIC

| Headstock | | | | WF 13 |
|---|---|---|---|---|
| | | | | BOX WAY |
| Spindle Diameter | | mm | | 130 |
| Spindle Taper | | | | ISO 50 |
| Tool Standard * | | | | DIN 69871, CAT 50, BT 50 |
| Spindle RPM* | | RPM | | 10 - 3100 |
| Spindle Motor Power (S1 / S6 - 40%)* | | kW | | 37/56 Heidenhain 46/60 Fanuc 37/56 Seimens |
| Maximum Spindle Torque (S1 / S6 - 40%)* | | Nm | | 2008/3039* Heidenhain 2171/3257* Fanuc 2008/3039* Siemens |
| Ram Dimensions (with Covers) | | mm | | 400 x 465 |
| Control System | | | | |
| CNC Control System* | | | | Heidenhain iTNC 530 Fanuc 31I Siemens 840D |
| Working Ranges | | | | |
| Horizontal Column Travel (X-axis)* | | mm | | 1500 - 8600 |
| Vertical Head Travel (Y-axis)* | | mm | | 1700, 2000, 2500, 3000, 3500 |
| Ram Travel (V-axis)* | | mm | | 600 OPTIONAL |
| Spindle Travel (W-axis)* | | mm | | 730 |
| Operation Traverse All Axes | | mm/min | | 1-8000 |
| Rapid Travel X-axis | | mm/min | | 10000 |
| Rapid Travel Y-axis | | mm/min | | 12000 |
| Rapid Travel W-axis, Z-axis | | mm/min | | 10000 no Z-axis |
| Max. Axial Force X-axis, Y-axis | | kN | | 20 |
| Max. Axial Force W-axis, Z-axis | | kN | | 20 no Z-axis |
| Positioning Accuracy X,Y,Z,W | | mm | | +/- 0.01 |
| Repeatable Positioning Accuracy X,Y,Z,W | | mm | | +/-0.005 |
| Automatic Tool Changer (Optional) | | | | |
| Tool Changer Storage Capacity* | | Pc | | 20, 32, 40* |

13020 St. Clair Avenue - Cleveland, Ohio 44108-2033 | Phone: 216.451.5588 | Fax: 216.451.5174 | © 2011 Lucas Precision