

## Pluritec 鑽孔機



|                                     | MEGA 4000                                                                    | GIGA 5600                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tooling Type                        | Sliding bar and self-centering collet                                        | Sliding bar and self centering "V"                                                                                                                   |
| Pin Size                            | 3.175 mm (1/8") any other size available on request                          | 3.175 mm (0.125") other sizes available on request                                                                                                   |
| X axis transversal run              | 635 mm (25")                                                                 | 580 mm (22.83") 5 heads<br>515 mm (20.28") 6 heads                                                                                                   |
| Y axis longitudinal run             | 890 mm (35")                                                                 | 1067 mm (42")                                                                                                                                        |
| Z axis vertical run                 | 24 mm (0.95")                                                                | 25 mm (0.98")                                                                                                                                        |
| X-Y axes position speed             | 25 m/min (984"/min)                                                          | 35 m/min (1378"/min) AC motors<br>45 m/min (1772"/min) Linear motors                                                                                 |
| X-Y axes acceleration               | 3 m/sec <sup>2</sup> (118"/sec <sup>2</sup> )                                | 7 m/sec <sup>2</sup> (275.6"/sec <sup>2</sup> ) AC motors<br>10 m/sec <sup>2</sup> (395"/sec <sup>2</sup> ) Linear motors                            |
| Z axis acceleration                 | 20 m/sec <sup>2</sup> (787"/sec <sup>2</sup> )                               |                                                                                                                                                      |
| Positioning accuracy                | ± 0.003 mm (± 0.00012")                                                      | 0.005 mm (0.0002")                                                                                                                                   |
| Repeatability accuracy              | ± 0.002 mm (±0.00008")                                                       | 0.004 mm (0.00015")                                                                                                                                  |
| Drilling accuracy                   | ± 0.018 mm (± 0.0007")                                                       |                                                                                                                                                      |
| Drilling Unit                       |                                                                              |                                                                                                                                                      |
| Standard number of units            | 4 - 5 - 6                                                                    | 5/6                                                                                                                                                  |
| Air - bearing spindle on air sleeve | W.W. 1201-110 Krpm<br>W.W. 1331-125 Krpm<br>drilling/routing: WW 320-80 Krpm | WW 1331 125 Krpm for drilling<br>WW 1531 150 Krpm for drilling (opt.)<br>WW 1686 180 Krpm for drilling (opt.)<br>WW 320 80 Krpm for drilling/routing |
| Tool status indicator               | infrared broken drill-bit detector incorporated in the pressure foot         |                                                                                                                                                      |
| Drilling diameter                   | 0.10 mm (0.004") min. 635 mm (0.25") max.                                    |                                                                                                                                                      |

|                                                         |                                                                                                                                                                                        |                                                                                                                                                                           |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum static run-out at 20 mm (0.8") from the collet  | W.W. 1201/1331 = 0.0075 mm ( 0.002")<br>W.W. 320 = 0.0075 mm (0.0003")                                                                                                                 | 0.005 mm (0.0002")                                                                                                                                                        |
| Maximum dynamic run-out at 20 mm (0.8") from the collet | W.W. 1201/1331 = 0.0075 mm ( 0.002")<br>W.W. 320 = 0.0075 mm (0.0003")                                                                                                                 | 0.010 mm (0.00039")                                                                                                                                                       |
| Collets diameter                                        | Standard: 3.175 mm. (1/8")<br>on request: 3 mm. (0.118")                                                                                                                               | standard: 3.17 mm (0.125")<br>on quest: 3 mm (0.118")                                                                                                                     |
| <b>Tool Change</b>                                      |                                                                                                                                                                                        |                                                                                                                                                                           |
| Tool management system                                  | Pluritec patent: one drum magazine for 336 tools + 1 TD each head Collarless or collared drill bits on clip-bars are available.                                                        | multitool system: 294 both collarless (standard configuration) and collared bits per head on Pluritec strips. Optionally the number of bits may be increased to 588 head. |
| CNC                                                     | Digital SIEB & MEYER CNC 45.00<br>- 2 Mb Working memory<br>- colour monitor<br>- two floppy drives 3.5"<br>- one floppy drive 5.35"<br>- keyboard<br>- solid state frequency converter | Digital SIEB & MEYER CNC 55.00<br>- 64 Mb RAM<br>- colour monitor<br>- floppy disk unit"<br>- HD 2.7 Gb<br>- keyboard<br>- Windows 98 operative system                    |
| <b>General Specifications</b>                           |                                                                                                                                                                                        |                                                                                                                                                                           |
| Power input                                             | 380V 50Hz - 3 phases different power input on request                                                                                                                                  |                                                                                                                                                                           |
| Max. energy consumption                                 | 4H = 7 kw ; 5H = 8kw ; 6H = 9kw                                                                                                                                                        |                                                                                                                                                                           |
| Vacuum unit                                             | VS-3 RIBO (2.5 kw - 4500 lt/min 2850 mm in H <sub>2</sub> O)                                                                                                                           | Depression at the pressure foot output > 800 mm H <sub>2</sub> O (31.5" H <sub>2</sub> O)                                                                                 |
| Compressed air pressure                                 | 7 bar (102 psi)                                                                                                                                                                        |                                                                                                                                                                           |
| Air consumption                                         | Average: 600 NI / min (21 CFM) ; Peak: 900 NI / min (32 CFM)                                                                                                                           |                                                                                                                                                                           |
| Noise level                                             | <75 db                                                                                                                                                                                 |                                                                                                                                                                           |
| Weight                                                  | 7500 kg (16.538 lb)                                                                                                                                                                    | 7500 kg (16.538 lb) machine body with AC motors<br>9300 kg (20666 lb) machine body with Linear motors                                                                     |
| Dimension                                               | 4410 x 2765 x 2250 mm<br>173.62" x 108.86" x 88.58                                                                                                                                     | 4220 x 2400 x 2220 mm<br>(166" x 94.5" x 87.4")                                                                                                                           |