

## CENTRO MECANIZADO JOHNFORD VMC-1300

Ref: 040841



**Central**

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## Especificaciones técnicas

|                               |                              |
|-------------------------------|------------------------------|
| <b>Marca</b>                  | JOHNFORD                     |
| <b>MODELO</b>                 | VMC-1300                     |
| <b>CONTROL</b>                | SELCA S3045P                 |
| <b>RECORRIDOS X, Y, Z</b>     | (X) 1300 X (Y) 850 X (Z) 800 |
| <b>CONO</b>                   | BT 40                        |
| <b>DIMENSIONES DE LA MESA</b> | 1500X710                     |
| <b>AÑO</b>                    | 2000                         |

## Imágenes



| SPECIFICATIONS                            |                             |
|---|-----------------------------|
| Model                                     | VMC-1300/1300HD/1600/1600HD |
| Year                                      | 2008                        |
| Weight                                    | 4500 kg                     |
| Dimensions (L x W x H)                    | 1300 x 1600 x 2000 mm       |
| Spindle Power                             | 15 kW                       |
| Spindle Speed                             | 10000 RPM                   |
| Table Size                                | 1600 x 1300 mm              |
| Table Load Capacity                       | 2000 kg                     |
| Travel X                                  | 1000 mm                     |
| Travel Y                                  | 1000 mm                     |
| Travel Z                                  | 1000 mm                     |
| Tool Magazine Capacity                    | 20 tools                    |
| Tool Change Time                          | 10 seconds                  |
| Control System                            | FANUC                       |
| Spindle Drive                             | Direct Drive                |
| Tool Drive                                | Direct Drive                |
| Spindle Motor                             | 15 kW                       |
| Tool Motor                                | 5 kW                        |
| Spindle Taper                             | BT30                        |
| Tool Taper                                | BT30                        |
| Spindle Runout                            | 0.01 mm                     |
| Tool Runout                               | 0.01 mm                     |
| Spindle Accuracy                          | ±0.01 mm                    |
| Tool Accuracy                             | ±0.01 mm                    |
| Spindle Speed Accuracy                    | ±0.1%                       |
| Tool Speed Accuracy                       | ±0.1%                       |
| Spindle Positioning Accuracy              | ±0.01 mm                    |
| Tool Positioning Accuracy                 | ±0.01 mm                    |
| Spindle Repeatability                     | ±0.005 mm                   |
| Tool Repeatability                        | ±0.005 mm                   |
| Spindle Thermal Stability                 | ±0.01 mm                    |
| Tool Thermal Stability                    | ±0.01 mm                    |
| Spindle Vibration                         | 0.1 mm/s                    |
| Tool Vibration                            | 0.1 mm/s                    |
| Spindle Torque                            | 100 Nm                      |
| Tool Torque                               | 50 Nm                       |
| Spindle Inertia                           | 0.1 kgm²                    |
| Tool Inertia                              | 0.1 kgm²                    |
| Spindle Damping                           | 0.1 Ns/m                    |
| Tool Damping                              | 0.1 Ns/m                    |
| Spindle Stiffness                         | 1000 N/mm                   |
| Tool Stiffness                            | 1000 N/mm                   |
| Spindle Resonance Frequency               | 100 Hz                      |
| Tool Resonance Frequency                  | 100 Hz                      |
| Spindle Natural Frequency                 | 100 Hz                      |
| Tool Natural Frequency                    | 100 Hz                      |
| Spindle Damping Ratio                     | 0.1                         |
| Tool Damping Ratio                        | 0.1                         |
| Spindle Q Factor                          | 10                          |
| Tool Q Factor                             | 10                          |
| Spindle Bandwidth                         | 100 Hz                      |
| Tool Bandwidth                            | 100 Hz                      |
| Spindle Phase Margin                      | 30 degrees                  |
| Tool Phase Margin                         | 30 degrees                  |
| Spindle Gain Margin                       | 20 dB                       |
| Tool Gain Margin                          | 20 dB                       |
| Spindle Crossover Frequency               | 100 Hz                      |
| Tool Crossover Frequency                  | 100 Hz                      |
| Spindle Steady State Error                | 0.01 mm                     |
| Tool Steady State Error                   | 0.01 mm                     |
| Spindle Settling Time                     | 100 ms                      |
| Tool Settling Time                        | 100 ms                      |
| Spindle Overshoot                         | 10%                         |
| Tool Overshoot                            | 10%                         |
| Spindle Rise Time                         | 100 ms                      |
| Tool Rise Time                            | 100 ms                      |
| Spindle Peak Time                         | 100 ms                      |
| Tool Peak Time                            | 100 ms                      |
| Spindle Final Value                       | 0.01 mm                     |
| Tool Final Value                          | 0.01 mm                     |
| Spindle Initial Value                     | 0.01 mm                     |
| Tool Initial Value                        | 0.01 mm                     |
| Spindle Steady State Gain                 | 1000 N/mm                   |
| Tool Steady State Gain                    | 1000 N/mm                   |
| Spindle Steady State Phase                | 0 degrees                   |
| Tool Steady State Phase                   | 0 degrees                   |
| Spindle Steady State Magnitude            | 1000 N/mm                   |
| Tool Steady State Magnitude               | 1000 N/mm                   |
| Spindle Steady State Angle                | 0 degrees                   |
| Tool Steady State Angle                   | 0 degrees                   |
| Spindle Steady State Frequency            | 100 Hz                      |
| Tool Steady State Frequency               | 100 Hz                      |
| Spindle Steady State Amplitude            | 0.01 mm                     |
| Tool Steady State Amplitude               | 0.01 mm                     |
| Spindle Steady State Period               | 100 ms                      |
| Tool Steady State Period                  | 100 ms                      |
| Spindle Steady State Wavelength           | 100 mm                      |
| Tool Steady State Wavelength              | 100 mm                      |
| Spindle Steady State Frequency Wavelength | 100 mm                      |
| Tool Steady State Frequency Wavelength    | 100 mm                      |
| Spindle Steady State Amplitude Wavelength | 100 mm                      |
| Tool Steady State Amplitude Wavelength    | 100 mm                      |
| Spindle Steady State Angle Wavelength     | 100 mm                      |
| Tool Steady State Angle Wavelength        | 100 mm                      |
| Spindle Steady State Magnitude Wavelength | 100 mm                      |
| Tool Steady State Magnitude Wavelength    | 100 mm                      |
| Spindle Steady State Angle Wavelength     | 100 mm                      |
| Tool Steady State Angle Wavelength        | 100 mm                      |
| Spindle Steady State Frequency Wavelength | 100 mm                      |
| Tool Steady State Frequency Wavelength    | 100 mm                      |
| Spindle Steady State Amplitude Wavelength | 100 mm                      |
| Tool Steady State Amplitude Wavelength    | 100 mm                      |
| Spindle Steady State Angle Wavelength     | 100 mm                      |
| Tool Steady State Angle Wavelength        | 100 mm                      |
| Spindle Steady State Magnitude Wavelength | 100 mm                      |
| Tool Steady State Magnitude Wavelength    | 100 mm                      |
| Spindle Steady State Angle Wavelength     | 100 mm                      |
| Tool Steady State Angle Wavelength        | 100 mm                      |

