

Export Market List Price

Vertical Machining Centers



September 2019

LAGUN MACHINERY, S.L.U.
Ctra. Bergara nº 4, P.I. LLadie, pab. 7
01170 LEGUTIANO (Spain)

1 : Vertical Machining Center, model L850

| Code No. | Description | Euros |
|-------------|--|-----------|
| 931000L850 | Model L850 with FAGOR 8055i Power CNC sytem with 10,4" LCD Color screen. | 78.568,00 |
| 9310001L850 | Model L850 with FAGOR 8065M CNC sytem with 15" LCD Color screen. | 85.290,00 |
| 9310002L850 | Model L850 with HEIDENHAIN TNC 620 CNC System with 15" TFT Color screen. | 91.057,00 |
| 9310004L850 | Model L850 with HEIDENHAIN TNC 640 CNC System with 15" TFT Color screen. | 97.044,00 |
| 9310005L850 | Model L850 with FANUC Oi MF CNC system with Manual Guidei with 15" LCD Color screen. | 79.811,00 |
| 9310006L850 | Model L850 with FANUC 31i B5 CNC system with Manual Guidei with 15" LCD Color screen. | 90.649,00 |

| Code No. | Description | Euros |
|-------------|--|----------|
| 9310008L850 | Extra charge for different voltage other than 400V/3Ph/50Hz. (standard) . | 1.154,00 |
| 9310009L850 | Extra charge for ISO-40 (DIN 69871) spindle taper. | 481,00 |

1.1: Optional Accesories

| Code No. | Description | Euros |
|-------------|--|-----------|
| 9310010L850 | Chain type chip conveyor | 3.491,00 |
| 9310011L850 | Extra for double arm (DISK type) automatic tool changer of 30 tools capacity. | 6.539,00 |
| 9310012L850 | Coolant through the spindle with 20bar pump and 25 microns filter (for belt driven spindles). | 7.216,00 |
| 9310013L850 | Coolant through the spindle with 40bar pump and 25 microns filter (for belt driven spindles). | 14.216,00 |
| 9310014L850 | Coolant through the spindle with 20bar pump and 25 microns filter (for direct drive spindles). | 3.862,00 |
| 9310015L850 | Coolant through the spindle with 40bar pump and 25 microns filter (for direct drive spindles). | 10.915,00 |
| 9310016L850 | Automatic Power Off M30. | 381,00 |
| 9310017L850 | Extra for installing linear scales on the 3 axes X,Y,Z, for FAGOR & FANUC CNC system. | 8.143,00 |
| 9310018L850 | Extra for installing linear scales on the 3 axes X,Y,Z, for HEIDENHAIN CNC system. | 10.063,00 |
| 9310019L850 | Oil Skimmer. | 971,00 |

1.2: Main Spindle Options

| Code No. | Description | Euros |
|-------------|---|-----------|
| 9310020L850 | Belt driven spindle at 10.000rpm. with spindle oil cooler. | 2.341,00 |
| 9310021L850 | Belt driven spindle at 12.000rpm. with spindle oil cooler. | 3.799,00 |
| 9310038L850 | Extra charge for 11/15kW. spindle motor for FAGOR CNC systems (for belt driven spindles). | 1.388,00 |
| 9310039L850 | Extra charge for 11/15kW. spindle motor for FANUC CNC systems (for belt driven spindles). | 1.255,00 |
| 9310040L850 | Extra charge for 11/15kW. spindle motor for HEIDENHAIN systems (for belt driven spindles). | 3.234,00 |
| 9310022L850 | Direct Drive Spindle at 12.000rpm. with 7,5/9kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FAGOR CNC systems. | 15.353,00 |
| 9310023L850 | Direct Drive Spindle at 15.000rpm. with 7,5/9kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FAGOR CNC systems. | 18.227,00 |
| 9310024L850 | Direct Drive Spindle at 12.000rpm. with 7,5/9kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for HEIDENHAIN CNC systems. | 20.180,00 |
| 9310025L850 | Direct Drive Spindle at 15.000rpm. with 7,5/9kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for HEIDENHAIN CNC systems. | 25.412,00 |
| 9310026L850 | Direct Drive Spindle at 12.000rpm. with 7,5/9kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FANUC CNC systems. | 17.896,00 |
| 9310027L850 | Direct Drive Spindle at 15.000rpm. with 7,5/9kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FANUC CNC systems. | 29.319,00 |
| 9310534L850 | Direct Drive Spindle at 12.000 rpm. with 7,5/9kW. Spindle Motor, WITH coolant through the spindle at 20bar, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 17.896,00 |
| 9310535L850 | Direct Drive Spindle at 15.000 rpm. with 7,5/9kW. Spindle Motor, WITH coolant through the spindle at 20bar, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 29.319,00 |

1.3: 4th axis Options (FAGOR & FANUC)

| Code No. | Description | Euros |
|-------------|---|----------|
| 9310028L850 | Extra for preinstallation of a 4th axis (only cabling and connector). | 868,00 |
| 9310029L850 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 2.464,00 |
| 9310030L850 | DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis. | 9.781,00 |
| 9310031L850 | Manual tailstock of 160 mm. height. | 862,00 |
| 9310032L850 | 3 Jaw Chuck Ø 175 mm. | 759,00 |

1.4: 4th axis Options (HEIDENHAIN & SIEMENS)

| Code No. | Description | Euros |
|-------------|---|-----------|
| 9310033L850 | Extra for preinstallation of a 4th axis (only cabling and connector). | 956,00 |
| 9310034L850 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 4.264,00 |
| 9310035L850 | DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis. | 12.746,00 |
| 9310036L850 | Manual tailstock of 160 mm. height. | 862,00 |
| 9310037L850 | 3 Jaw Chuck Ø 175 mm. | 759,00 |

2: Vertical Machining Centers, models L1000 & L1100

| Code No. | Description | Euros |
|--------------|---|------------|
| 931000L1000 | Model L1000 with FAGOR 8055i Power CNC system with 10,4" LCD Color screen. | 100.304,00 |
| 9310001L1000 | Model L1000 with FAGOR 8065M CNC system with 15" LCD Color screen. | 104.123,00 |
| 9310002L1000 | Model L1000 with HEIDENHAIN TNC 620 CNC system with 15" TFT Color screen. | 114.687,00 |
| 9310004L1000 | Model L1000 with HEIDENHAIN TNC 640 CNC system with 15" TFT Color screen. | 118.524,00 |
| 9310005L1000 | Model L1000 with FANUC Oi MF CNC system with Manual Guidei with 15" LCD Color screen. | 96.772,00 |
| 9310006L1000 | Model L1000 with FANUC 31i B5 CNC system with Manual Guidei with 15" LCD Color screen. | 108.744,00 |
| 932000L1100R | Model L1100 with FAGOR 8055i Power CNC system with 10,4" LCD Color screen. | 110.788,00 |
| 932001L1100R | Model L1100 with FAGOR 8065M CNC system with 15" LCD Color screen. | 114.283,00 |
| 932002L1100R | Model L1100 with HEIDENHAIN TNC 620 CNC system with 15" TFT Color screen. | 128.246,00 |
| 932003L1100R | Model L1100 with HEIDENHAIN TNC 640 CNC system with 15" TFT Color screen. | 134.938,00 |
| 932004L1100R | Model L1100 with FANUC Oi MF CNC system with Manual Guidei with 15" LCD Color screen. | 107.459,00 |
| 932005L1100R | Model L1100 with FANUC 31i B5 CNC system with Manual Guidei with 15" LCD Color screen. | 119.498,00 |
| Code No. | Description | Euros |
| 9310008L1000 | Extra charge for different voltage than 400V/3Ph/50Hz. (standard) . | 1.347,00 |
| 9310009L1000 | Extra charge for ISO-40 (DIN 69871) spindle taper. | 481,00 |

2.1: Optional Accesories

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9310010L1000 | Chain type Chip Conveyor. | 4.004,00 |
| 9310011L1000 | Coolant through the spindle with 20bar coolant pump and 25 micron filter (for belt driven spindles). | 7.216,00 |
| 9310012L1000 | Coolant through the spindle with 40bar coolant pump and 25 micron filter (for belt driven spindles). | 14.216,00 |
| 9310013L1000 | Coolant through the spindle with 20bar coolant pump and 25 micron filter (for direct drive spindles). | 4.594,00 |
| 9310014L1000 | Coolant through the spindle with 40bar coolant pump and 25 micron filter (for direct drive spindles). | 11.582,00 |
| 9310015L1000 | Automatic Power Off M30. | 381,00 |
| 9310016L1000 | Oil Skimmer. | 971,00 |

2.2: Main Spindle Options

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9310017L1000 | Belt driven spindle at 10.000rpm. with spindle oil cooler. | 962,00 |
| 9310018L1000 | Belt driven spindle at 12.000rpm. with spindle oil cooler. | 3.174,00 |
| 9310042L1000 | Extra charge for 17/25kW spindle motor (only for belt driven headstock) for FAGOR CNC systems (spindle speeds limited to 6.000rpm). | 3.522,00 |
| 9310019L1000 | Direct Drive Spindle at 12.000rpm. with 11/15,5kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FAGOR CNC systems. | 14.171,00 |
| 9310020L1000 | Direct Drive Spindle at 15.000rpm. with 7,5/11kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FAGOR CNC systems. | 15.507,00 |
| 9310021L1000 | Direct Drive Spindle at 12.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems. | 13.875,00 |
| 9310022L1000 | Direct Drive Spindle at 15.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems. | 19.110,00 |
| 9310023L1000 | Direct Drive Spindle at 12.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 15.943,00 |
| 9310024L1000 | Direct Drive Spindle at 15.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 21.592,00 |
| 9310025L1000 | Built-in Spindle at 24.000rpm. with 15/17kW. motor, HSK-50E Spindle Taper and oil cooled spindle. | 33.272,00 |

2.3: 4th axis Options (FAGOR & FANUC)

| Code No. | Description | Euros |
|--------------|--|-----------|
| 9310026L1000 | Extra for pre-installation of a 4th axis (only cabling and connector). | 924,00 |
| 9310027L1000 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 2.464,00 |
| 9310028L1000 | DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis. | 9.781,00 |
| 9310029L1000 | Manual tailstock of 160 mm. height. | 862,00 |
| 9310030L1000 | 3 Jaw Chuck Ø 175 mm. | 759,00 |
| 9310031L1000 | DETRON GXA-255H Electronic Dividing Head of 190 mm. height between points and Ø 255 mm. fitted as a 4th axis. | 13.555,00 |
| 9310032L1000 | Manual tailstock of 190 mm. height. | 862,00 |
| 9310033L1000 | 3 Jaw Chuck Ø 225 mm. | 1.047,00 |

2.4: 4th axis Options (HEIDENHAIN & SIEMENS)

| Code No. | Description | Euros |
|--------------|--|-----------|
| 9310034L1000 | Extra for pre-installation of a 4th axis (only cabling and connector). | 956,00 |
| 9310035L1000 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 4.264,00 |
| 9310036L1000 | DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis. | 12.746,00 |
| 9310037L1000 | Manual tailstock of 160 mm. height. | 862,00 |
| 9310038L1000 | 3 Jaw Chuck Ø 175 mm. | 759,00 |
| 9310039L1000 | DETRON GXA-255H Electronic Dividing Head of 190 mm. height between points and Ø 255 mm. fitted as a 4th axis. | 16.520,00 |
| 9310040L1000 | Manual tailstock of 190 mm. height. | 862,00 |
| 9310041L1000 | 3 Jaw Chuck Ø 225 mm. | 1.047,00 |

3 : Vertical Machining Centers, models L1400 & L1600

| Code No. | Description | Euros |
|--------------|---|------------|
| 9310000L1416 | Model L1400 with FAGOR 8055i Power CNC system with 10,4" LCD Color screen. | 119.088,00 |
| 9310001L1416 | Model L1400 with FAGOR 8065M CNC system with 15" LCD Color screen. | 122.539,00 |
| 9310002L1416 | Model L1400 with HEIDENHAIN TNC 620 CNC system with 15" TFT Color screen. | 138.157,00 |
| 9310004L1416 | Model L1400 with HEIDENHAIN TNC 640 CNC system with 15" TFT Color screen. | 143.907,00 |
| 9310005L1416 | Model L1400 with FANUC Oi MF CNC system with Manual Guide i with 15" LCD Color screen. | 123.066,00 |
| 9310006L1416 | Model L1400 with FANUC 31i B5 CNC system with Manual Guidei with 15" LCD Color screen. | 132.452,00 |
| 9310008L1416 | Model L1600 with FAGOR 8055i Power CNC system with 10,4" LCD Color screen. | 122.694,00 |
| 9310009L1416 | Model L1600 with FAGOR 8065M CNC system with 15" LCD Color screen. | 126.145,00 |
| 9310010L1416 | Model L1600 with HEIDENHAIN TNC 620 CNC system with 15" TFT Color screen. | 141.762,00 |
| 9310012L1416 | Model L1600 with HEIDENHAIN TNC 640 CNC system with 15" TFT Color screen. | 147.512,00 |
| 9310013L1416 | Model L1600 with FANUC Oi MF CNC system with Manual Guidei with 15" LCD Color screen. | 126.671,00 |
| 9310014L1416 | Model L1600 with FANUC 31i B5 CNC system with Manual Guidei with 15" LCD Color screen. | 136.058,00 |

| Code No. | Description | Euros |
|--------------|--|----------|
| 9310016L1416 | Extra charge for different voltage than 400V/3Ph/50Hz. (standard) . | 1.539,00 |
| 9310017L1416 | Extra charge for ISO-40 (DIN 69871) spindle taper. | 481,00 |

3.1: Optional Accesories

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9310018L1416 | Chain type Chip Conveyor. | 4.535,00 |
| 9310056L1416 | Extra charge for higher column to reach 825mm. traverse on the Z axis (only for model L1600). | 4.140,00 |
| 9310019L1416 | Extra for double arm (CHAIN type) automatic tool changer of 40 tools capacity. | 8.569,00 |
| 9310606L1214 | Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & DISK type Tool Changer of 24 tools (speeds limited to 6.000 rpm). | 11.443,00 |
| 9310020L1416 | Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & CHAIN type Tool Changer of 32 tools (speeds limited to 6.000 rpm). | 18.111,00 |
| 9310021L1416 | Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & CHAIN type Tool Changer of 40 tools (speeds limited to 6.000 rpm). | 19.884,00 |
| 9310022L1416 | Coolant through the spindle with 20bar coolant pump and 25 micron filter (for belt driven spindles). | 7.216,00 |
| 9310023L1416 | Coolant through the spindle with 40bar coolant pump and 25 micron filter (for belt driven spindles). | 14.216,00 |
| 9310024L1416 | Coolant through the spindle with 20bar coolant pump and 25 micron filter (for direct drive spindles). | 4.606,00 |
| 9310025L1416 | Coolant through the spindle with 40bar coolant pump and 25 micron filter (for direct drive spindles). | 11.660,00 |
| 9310026L1416 | Extra charge for FAGOR linear scales in X-Y-Z for models L1400 or L1600 (FAGOR or FANUC CNC systems). | 10.300,00 |
| 9310027L1416 | Extra charge for HEIDENHAIN linear scales in X-Y-Z for models L1400 or L1600 (HEIDENHAIN CNC systems). | 11.847,00 |
| 9310028L1416 | Automatic Power Off M30. | 381,00 |
| 9310029L1416 | Oil Skimmer. | 971,00 |
| 9310030L1416 | Extra for installation of ZF gear box (2 speeds) Maximun 6.000rpm. | 12.503,00 |

3.2: Main Spindle Options

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9310031L1416 | Belt driven spindle at 10.000rpm. with spindle oil cooler. | 821,00 |
| 9310032L1416 | Belt driven spindle at 12.000rpm. with spindle oil cooler. | 2.667,00 |
| 9310057L1416 | Extra charge for 17/25kW spindle motor (only for belt driven spindle) for FAGOR CNC systems (spindle speeds limited to 6.000rpm). | 3.522,00 |
| 9310033L1416 | Direct Drive Spindle at 12.000rpm. with 11/15,5kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FAGOR CNC systems. | 13.623,00 |
| 9310034L1416 | Direct Drive Spindle at 15.000rpm. with 7,5/11kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FAGOR CNC systems. | 15.164,00 |
| 9310035L1416 | Direct Drive Spindle at 12.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems. | 13.069,00 |
| 9310036L1416 | Direct Drive Spindle at 15.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems. | 16.361,00 |
| 9310037L1416 | Direct Drive Spindle at 12.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 8.214,00 |
| 9310038L1416 | Direct Drive Spindle at 15.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 15.971,00 |
| 9310039L1416 | Built-in Spindle at 24.000rpm. with 15/17kW. motor, HSK-50E Spindle Taper and oil cooled spindle. | 33.272,00 |

3.3: 4th axis Options (FAGOR & FANUC)

| Code No. | Description | Euros |
|--------------|--|-----------|
| 9310040L1416 | Extra for pre-installation of a 4th axis (only cabling and connector). | 924,00 |
| 9310041L1416 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 2.464,00 |
| 9310042L1416 | DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis. | 13.555,00 |
| 9310043L1416 | Manual Tailstock of 190mm height. | 862,00 |
| 9310044L1416 | 3 Jaw Chuck Ø 225mm. | 1.047,00 |
| 9310045L1416 | DETRON GXA-320H Electronical Dividing of 210mm height between points and Ø 320mm fitted as a 4th axis. | 15.315,00 |
| 9310046L1416 | Manual Tailstock of 210mm height. | 985,00 |
| 9310047L1416 | 3 Jaw Chuck Ø 250mm. | 1.252,00 |

3.4: 4th axis Options (HEIDENHAIN & SIEMENS)

| Code No. | Description | Euros |
|--------------|--|-----------|
| 9310048L1416 | Extra for pre-installation of a 4th axis (only cabling and connector). | 956,00 |
| 9310049L1416 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 3.981,00 |
| 9310050L1416 | DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis. | 16.520,00 |
| 9310051L1416 | Manual Tailstock of 190mm height. | 862,00 |
| 9310052L1416 | 3 Jaw Chuck Ø 225mm. | 1.047,00 |
| 9310053L1416 | DETRON GXA-320 H Electronical Dividing of 210mm height between points and Ø 320mm fitted as a 4th axis. | 18.191,00 |
| 9310054L1416 | Manual Tailstock of 210mm height. | 985,00 |
| 9310055L1416 | 3 Jaw Chuck Ø 250mm. | 1.252,00 |

4 : Vertical Machining Center, model L2000

| Code No. | Description | Euros |
|--------------|---|------------|
| 9310000L2000 | Model L2000 with FAGOR 8055i Power CNC system with 10,4" LCD Color screen. | 201.770,00 |
| 9310001L2000 | Model L2000 with FAGOR 8065M CNC system with 15" LCD Color screen. | 204.762,00 |
| 9310002L2000 | Model L2000 with HEIDENHAIN TNC 620 CNC system with 15" TFT Color screen. | 224.351,00 |
| 9310004L2000 | Model L2000 with HEIDENHAIN TNC 640 CNC system with 15" TFT Color screen. | 229.777,00 |
| 9310005L2000 | Model L2000 with FANUC Oi MF CNC system with Manual Guidei with 15" LCD Color screen. | 206.401,00 |
| 9310006L2000 | Model L2000 with FANUC 31i B5 CNC system with Manual Guidei with 15" LCD Color screen. | 215.175,00 |

| Code No. | Description | Euros |
|--------------|--|----------|
| 9310008L2000 | Extra charge for different voltage other than 400V/3Ph/50Hz. (standard) . | 1.924,00 |
| 9310009L2000 | Extra charge for ISO-40 (DIN 69871) spindle taper. | 481,00 |

4.1: Optional Accesories

| Code No. | Description | Euros |
|--------------|--|-----------|
| 9310010L2000 | Chain type Chip Conveyor. | 5.858,00 |
| 9310011L2000 | Extra for double arm (CHAIN type) automatic tool changer of 40 tools capacity (BT-40/ISO-40 DIN 69871). | 8.504,00 |
| 9310511L2000 | Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & DISK type Tool Changer of 24 tools (speeds limited to 6.000 rpm). | 10.076,00 |
| 9310012L2000 | Extra for BT-50/ISO- (DIN 69871) Spindle Taper & CHAIN type Tool Charger of 32 tools (speeds limited to 6.000rpm). | 18.111,00 |
| 9310013L2000 | Extra for BT-50/ISO- (DIN 69871) Spindle Taper & CHAIN type Tool Charger of 40 tools (spindle speeds limited to 6.000rpm). | 19.884,00 |
| 9310014L2000 | Coolant through the spindle with 20bar coolant pump and 25 micron filter (for belt driven spindles). | 7.216,00 |
| 9310015L2000 | Coolant through the spindle with 40bar coolant pump and 25 micron filter (for belt driven spindles). | 14.077,00 |
| 9310016L2000 | Coolant through the spindle with 20bar coolant pump and 25 micron filter (for direct drive spindles). | 4.606,00 |
| 9310017L2000 | Coolant through the spindle with 40bar coolant pump and 25 micron filter (for direct drive spindles). | 11.660,00 |
| 9310018L2000 | Extra charge for FAGOR linear scales in X-Y-Z for model L2000 (FAGOR or FANUC CNC systems). | 10.894,00 |
| 9310019L2000 | Extra charge for HEIDENHAIN linear scales in X-Y-Z for model L2000 (HEIDENHAIN CNC systems). | 14.308,00 |
| 9310020L2000 | Automatic Power Off M30 | 381,00 |
| 9310021L2000 | Oil Skimmer | 971,00 |
| 9310022L2000 | Extra for installation of ZF gear box (2 speeds) Maximun 6.000rpm. | 12.503,00 |

4.2: Main Spindle Options

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9310023L2000 | Belt driven spindle at 10.000rpm. with spindle oil cooler. | 1.174,00 |
| 9310024L2000 | Belt driven spindle at 12.000rpm. with spindle oil cooler. | 3.174,00 |
| 9310025L2000 | Direct Drive Spindle at 12.000rpm. with 11/15,5kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FAGOR CNC systems. | 11.809,00 |
| 9310026L2000 | Direct Drive Spindle at 15.000rpm. with 7,5/11kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FAGOR CNC systems. | 13.254,00 |
| 9310027L2000 | Direct Drive Spindle at 12.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems. | 7.435,00 |
| 9310028L2000 | Direct Drive Spindle at 15.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems. | 11.054,00 |
| 9310029L2000 | Direct Drive Spindle at 12.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 13.556,00 |
| 9310030L2000 | Direct Drive Spindle at 15.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems. | 16.252,00 |
| 9310031L2000 | Built-in Spindle at 24.000rpm. with 15/17kW. motor, HSK-50E Spindle Taper and oil cooled spindle. | 31.193,00 |

4.3: 4th axis Options (FAGOR & FANUC)

| Code No. | Description | Euros |
|--------------|--|-----------|
| 9310032L2000 | Extra charge for pre-installation of a 4th axis (only cabling and connector). | 924,00 |
| 9310033L2000 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 2.464,00 |
| 9310034L2000 | DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis. | 13.555,00 |
| 9310035L2000 | Manual Tailstock of 190mm height. | 862,00 |
| 9310036L2000 | 3 Jaw Chuck Ø 225mm. | 1.047,00 |
| 9310037L2000 | DETRON GXA-320H Electronic Dividing Head of 210 mm. height between points and Ø 320 mm. fitted as a 4th axis. | 15.315,00 |
| 9310038L2000 | Manual tailstock of 210 mm. height. | 985,00 |
| 9310039L2000 | 3 Jaw Chuck Ø 250 mm. | 1.252,00 |

4.4: 4th axis Options (HEIDENHAIN & SIEMENS)

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9310040L2000 | Extra charge for pre-installation of a 4th axis (only cabling and connector). | 956,00 |
| 9310041L2000 | Extra for pre-installation of a 4th axis (cabling, connector and servo-driver). | 4.264,00 |
| 9310042L2000 | DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis. | 16.520,00 |
| 9310043L2000 | Manual Tailstock of 190mm height. | 862,00 |
| 9310044L2000 | 3 Jaw Chuck Ø 225mm. | 1.047,00 |
| 9310045L2000 | DETRON GX-320H Electronic Dividing Head of 210 mm. height between points and Ø 320 mm. fitted as a 4th axis. | 18.191,00 |
| 9310046L2000 | Manual tailstock of 210 mm. height. | 985,00 |
| 9310047L2000 | 3 Jaw Chuck Ø 250 mm. | 1.252,00 |

5.1: Electronic Touch Probes for HEIDENHAIN TNC 640

| Code No. | Description | Euros |
|----------------|--|-----------|
| 9310RENISHAW | RENISHAW Contact tool setting probe, model TS27R (cable transmission). | 2.801,00 |
| 9310BLUM | BLUM Contact tool setting probe, model ZX-SPEED (cable transmission). | 3.391,00 |
| 9310HEIDENHAIN | HEIDENHAIN Contact tool setting probe, model TT-160 (cable transmission). | 3.027,00 |
| 9311RENISHAW | RENISHAW Contact tool setting probe, model OTS AA (optical transmission). | 6.386,00 |
| 9311BLUM | BLUM Contact tool setting probe, model ZX-SPEED IR (optical transmission). | 6.466,00 |
| 9311HEIDENHAIN | HEIDENHAIN Contact tool setting probe, model TT-460 (optical transmission) with EnDat protocol system. | 7.187,00 |
| 9312RENISHAW | RENISHAW Component setting & inspection probe, model OMP60 (optical transmission). | 8.765,00 |
| 9312BLUM | BLUM Component setting & inspection probe, model TC-50 (optical transmission). | 6.470,00 |
| 9312HEIDENHAIN | HEIDENHAIN Component setting & inspection probe, model TS-460 (optical transmission) with EnDat protocol system. | 7.250,00 |
| 9313RENISHAW | RENISHAW Component setting & inspection probe, model OMP60 and Contact tool setting probe, model OTS AA (optical transmission). | 10.676,00 |
| 9313BLUM | BLUM Component setting & inspection probe, model TC-50 and Contact tool setting probe, model ZX-SPEED IR (optical transmission). | 10.556,00 |
| 9313HEIDENHAIN | HEIDENHAIN Component setting & inspection probe, model TS-460 and Contact tool setting probe, model TT-460 (optical transmission) with EnDat protocol system. | 11.939,00 |

5.2: Electronic Touch Probes for HEIDENHAIN TNC 620

| Code No. | Description | Euros |
|----------------|--|-----------|
| 9310RENISHAW | RENISHAW Contact tool setting probe, model TS27R (cable transmission). | 3.750,00 |
| 9310BLUM | BLUM Contact tool setting probe, model ZX-SPEED (cable transmission). | 4.340,00 |
| 9310HEIDENHAIN | HEIDENHAIN Contact tool setting probe, model TT-160 (cable transmission). | 3.976,00 |
| 9311RENISHAW | RENISHAW Contact tool setting probe, model OTS AA (optical transmission). | 7.335,00 |
| 9311BLUM | BLUM Contact tool setting probe, model ZX-SPEED IR (optical transmission). | 7.416,00 |
| 9311HEIDENHAIN | HEIDENHAIN Contact tool setting probe, model TT-460 (optical transmission) with EnDat protocol system. | 8.136,00 |
| 9312RENISHAW | RENISHAW Component setting & inspection probe, model OMP60 (optical transmission). | 9.714,00 |
| 9312BLUM | BLUM Component setting & inspection probe, model TC-50 (optical transmission). | 7.420,00 |
| 9312HEIDENHAIN | HEIDENHAIN Component setting & inspection probe, model TS-460 (optical transmission) with EnDat protocol system. | 8.198,00 |
| 9313RENISHAW | RENISHAW Component setting & inspection probe, model OMP60 and Contact tool setting probe, model OTS AA (optical transmission). | 11.625,00 |
| 9313BLUM | BLUM Component setting & inspection probe, model TC-50 and Contact tool setting probe, model ZX-SPEED IR (optical transmission). | 11.506,00 |
| 9313HEIDENHAIN | HEIDENHAIN Component setting & inspection probe, model TS-460 and Contact tool setting probe, model TT-460 (optical transmission) with EnDat protocol system. | 12.888,00 |

5.3: Electronic Touch Probes for FAGOR & FANUC

| Code No. | Description | Euros |
|--------------|---|-----------|
| 9314RENISHAW | RENISHAW Contact tool setting probe, model TS27R (cable transmission). | 3.575,00 |
| 9314BLUM | BLUM Contact tool setting probe, model ZX-SPEED (cable transmission). | 3.913,00 |
| 9315RENISHAW | RENISHAW Contact tool setting probe, model OTS AA (optical transmission). | 7.160,00 |
| 9315BLUM | BLUM Contact tool setting probe, model ZX-SPEED IR (optical transmission). | 6.989,00 |
| 9316RENISHAW | RENISHAW Component setting & inspection probe, model OMP60 (optical transmission). | 10.792,00 |
| 9316BLUM | BLUM Component setting & inspection probe, model TC-50 (optical transmission). | 6.993,00 |
| 9317RENISHAW | RENISHAW Component setting & inspection probe, model OMP60 and Contact tool setting probe, model OTS AA (optical transmission). | 13.641,00 |
| 9317BLUM | BLUM Component setting & inspection probe, model TC-50 and Contact tool setting probe, model ZX-SPEED IR (optical transmission). | 11.079,00 |