

Export List Price

Vertical Machining Centers



September 2024

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
9310001L850	Model L850 with FAGOR 8065M Elite CNC sytem with 15" LCD color screen.	103.908,00
9310007L850	Model L850 with FAGOR 8065M Elite CNC sytem with 18" LCD color touc-screen.	105.783,00
9310008L850	Model L850 with HEIDENHAIN TNC 7 basic System with 16" TFT color touch-screen.	114.650,00
9310005L850	Model L850 with FANUC Oi MF PLUS CNC system with 15" LCD color touch-screen.	97.214,00
9310006L850	Model L850 with FANUC 31i B5 PLUS CNC system with 15" LCD color touch-screen.	108.424,00

Code No.	Description	Euros
9310011L850	Extra charge for different voltage other than 400V/3Ph/50Hz. (standard) .	1.642,00
9310012L850	Remote digital assistance (EWON FLEXY 205).	1.916,00
9310013L850	Extra charge for BDV-40 (ISO-40/DIN 69871) spindle taper.	481,00

1.1: Optional Accesories

Code No.	Description	Euros
9310014L850	Chain type chip conveyor	5.252,00
9310015L850	Extra for double arm (DISK type) automatic tool changer of 30 tools capacity.	4.802,00
9310016L850	Coolant through the spindle with 20 bar pump and 25 microns filter (for belt driven spindles).	6.944,00
9310017L850	Coolant through the spindle with 40 bar pump and 25 microns filter (for belt driven spindles).	13.358,00
9310018L850	Coolant through the spindle with 20 bar pump and 25 microns filter (for direct drive spindles).	5.153,00
9310019L850	Coolant through the spindle with 40 bar pump and 25 microns filter (for direct drive spindles).	11.563,00
9310020L850	Automatic Power Off M30.	515,00
9310021L850	Extra for installing linear scales on the 3 axes X,Y,Z, for FAGOR & FANUC CNC system ("Y" axis traverse=485mm).	11.395,00
9310022L850	Extra for installing linear scales on the 3 axes X,Y,Z, for HEIDENHAIN CNC system ("Y" axis traverse=485mm).	13.395,00
9310047L850	Spin windows, HEMA brand, model SPINVISTA EVO HC 24VDC .	4.796,00
9310048L850	Compact oil mist colector, FILTERMIST brand, model XCEL2 FX 5002V .	6.404,00
9310049L850	MQL system, SCHEIDLE brand, model LUBRIMAT L60 (external lubrication system).	5.170,00
9310024L850	Oil Skimmer.	1.122,00

1.2: Main Spindle Options

Code No.	Description	Euros
9310025L850	Belt driven spindle up to 10.000rpm. with its spindle oil-cooler.	3.043,00
9310026L850	Belt driven spindle up to 12.000rpm. with its spindle oil-cooler.	4.981,00
9310027L850	Extra charge for 11/15kW. spindle motor for FAGOR CNC systems (for belt driven spindles).	1.176,00
9310028L850	Extra charge for 11/15kW. spindle motor for FANUC CNC systems (for belt driven spindles).	1.011,00
9310029L850	Extra charge for 11/15kW. spindle motor for HEIDENHAIN systems (for belt driven spindles).	3.732,00
9310030L850	Direct Drive Spindle up to 12.000rpm. with 7,5/11kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FAGOR CNC systems.	12.621,00
9310031L850	Direct Drive Spindle up to 15.000rpm. with 7,5/11kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FAGOR CNC systems.	16.608,00
9310032L850	Direct Drive Spindle up to 12.000rpm. with 10/14kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for HEIDENHAIN CNC systems.	19.032,00
9310033L850	Direct Drive Spindle up to 15.000rpm. with 10/14kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for HEIDENHAIN CNC systems.	25.625,00
9310034L850	Direct Drive Spindle up to 12.000rpm. with 7,5/11kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system for FANUC CNC systems.	14.703,00
9310035L850	Direct Drive Spindle at up to 15.000rpm. with 7,5/11kW. spindle Motor, oil cooled spindle and oil/air bearings lubrication system. for FANUC CNC systems.	27.690,00
9310036L850	Built-in Spindle up to 30.000rpm HSK-50E with 15/20kW motor and oil/air lubrication system.	35.541,00

1.3: 4th axis Options (FAGOR & FANUC)

Code No.	Description	Euros
9310037L850	Extra for pre-installation of a 4th axis (only cabling and HARTING connector).	1.519,00
9310038L850	Extra for pre-installation of a 4th axis (cabling, HARTING connector and servo-driver).	3.521,00
9310039L850	DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis.	11.350,00
9310040L850	Manual tailstock of 160 mm. height.	1.313,00
9310041L850	Manual 3 Jaw Chuck Ø 175 mm.	1.026,00

1.4: 4th axis Options (HEIDENHAIN)

Code No.	Description	Euros
9310042L850	Extra for pre-installation of a 4th axis (only cabling and HARTING connector).	1.942,00
9310043L850	Extra for pre-installation of a 4th axis (cabling, HARTING connector and servo-driver).	8.857,00
9310044L850	DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis.	18.343,00
9310045L850	Manual tailstock of 160 mm. height.	1.313,00
9310046L850	Manual 3 Jaw Chuck Ø 175 mm.	1.026,00

2: Vertical Machining Centers, models L1050 & L1200

Code No.	Description	Euros
931000L1050	Model L1050 with FAGOR 8065M Elite CNC system with 15" LCD color screen.	119.674,00
9310001L1050	Model L1050 with FAGOR 8065M Elite CNC system with 18" LCD color touch-screen.	121.489,00
9310006L1050	Model L1050 with HEIDENHAIN TNC 7 basic CNC system with 16" TFT color touch-screen.	131.838,00
9310004L1050	Model L1050 with FANUC Oi MF PLUS CNC system with 15" LCD color touch-screen.	111.633,00
9310005L1050	Model L1050 with FANUC 31i B5 PLUS CNC system with 15" LCD color touch-screen.	124.068,00
931000L1200	Model L1200 with FAGOR 8065M Elite CNC system with 15" LCD color screen.	131.206,00
9310001L1200	Model L1200 with FAGOR 8065M Elite CNC system with 18" LCD color touch-screen.	133.021,00
9310006L1200	Model L1200 with HEIDENHAIN TNC 7 basic CNC system with 16" TFT color touch-screen.	143.370,00
9310004L1200	Model L1200 with FANUC Oi MF PLUS CNC system with 15" LCD color touch-screen.	123.165,00
9310005L1200	Model L1200 with FANUC 31i B5 PLUS CNC system with 15" LCD color touch-screen.	135.600,00

Code No.	Description	Euros
9310011L1012	Extra charge for different voltage than 400V/3Ph/50Hz. (standard).	1.436,00
9310012L1012	Remote digital assistance (EWON FLEXY 205).	1.916,00
9310013L1002	Extra charge for BDV-40 (ISO-40/DIN 69871) spindle taper.	481,00

2.1: Optional Accesories

Code No.	Description	Euros
9310014L1012	Chain type Chip Conveyor.	5.870,00
9310015L1012	Coolant through the spindle with 20 bar coolant pump and 25 micron filter (for belt driven spindles).	6.944,00
9310016L1012	Coolant through the spindle with 40 bar coolant pump and 25 micron filter (for belt driven spindles).	13.358,00
9310017L1012	Coolant through the spindle with 20 bar coolant pump and 25 micron filter (for direct drive spindles).	5.153,00
9310018L1012	Coolant through the spindle with 40 bar coolant pump and 25 micron filter (for direct drive spindles).	11.563,00
9310019L1012	Extra for installing linear scales on the 3 axes X,Y,Z, for FAGOR & FANUC CNC system for L1050/L1200	13.612,00
9310020L1012	Extra for installing linear scales on the 3 axes X,Y,Z, for HEIDENHAIN CNC system for L1050/L1200.	15.177,00
9310021L1012	Automatic Power Off M30.	515,00
9310049L1012	Spin windows, HEMA brand, model SPINVISTA EVO HC 24VDC.	4.796,00
9310050L1012	Compact oil mist colector, FILTERMIST brand, model XCEL2 FX 5002V.	6.404,00
9310051L1012	MQL system, SCHIEDLE brand, model LUBRIMAT L60 (external lubrication system).	5.170,00
9310022L1000	Oil Skimmer.	1.122,00

2.2: Main Spindle Options

Code No.	Description	Euros
9310023L1012	Belt driven spindle up to 10.000rpm. with its spindle oil-cooler.	924,00
9310024L1012	Belt driven spindle up to 12.000rpm. with its spindle oil-cooler.	2.862,00
9310025L1012	Extra charge for 17/25kW spindle motor (only for belt driven headstock) for FAGOR CNC systems (spindle speeds limited to 6.000rpm)	3.727,00
9310026L1012	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.	13.089,00
9310027L1012	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.	15.920,00
9310028L1012	Direct Drive Spindle at 12.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems.	15.114,00
9310029L1012	Direct Drive Spindle at 15.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems.	21.686,00
9310030L1012	Direct Drive Spindle at 12.000rpm. with 11/15kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems.	15.358,00
9310031L1012	Direct Drive Spindle at 15.000rpm. with 7,5/11kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems.	26.245,00
9310032L1012	Built-in Spindle up to 30.000rpm HSK-50E with 15/20kW motor and oil/air lubrication system.	35.541,00

2.3: 4th axis Options (FAGOR & FANUC)

Code No.	Description	€uros
9310033L1012	Extra for pre-installation of a 4th axis (only cabling and HARTING connector).	1.519,00
9310034L1012	Extra for pre-installation of a 4th axis (cabling, HARTING connector and servo-driver).	3.521,00
9310035L1012	DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis.	11.350,00
9310036L1012	Manual tailstock of 160 mm. height.	1.313,00
9310037L1012	Manual 3 Jaw Chuck Ø 175 mm.	1.026,00
9310038L1012	DETRON GXA-255H Electronic Dividing Head of 190 mm. height between points and Ø 255 mm. fitted as a 4th axis.	14.960,00
9310039L1012	Manual tailstock of 190 mm. height.	1.354,00
9310040L1012	Manual 3 Jaw Chuck Ø 225 mm.	1.436,00

2.4: 4th axis Options (HEIDENHAIN)

Code No.	Description	€uros
9310041L1012	Extra for pre-installation of a 4th axis (only cabling and HARTING connector).	1.942,00
9310042L1012	Extra for pre-installation of a 4th axis (cabling, HARTING connector and servo-driver).	8.857,00
9310043L1012	DETRON GXA-210S Electronic Dividing Head of 160mm. height between points and Ø 210 mm. fitted as a 4th axis.	18.343,00
9310044L1012	Manual tailstock of 160 mm. height.	1.313,00
9310045L1012	Manual 3 Jaw Chuck Ø 175 mm.	1.026,00
9310046L1012	DETRON GXA-255H Electronic Dividing Head of 190 mm. height between points and Ø 255 mm. fitted as a 4th axis.	21.953,00
9310047L1012	Manual tailstock of 190 mm. height.	1.354,00
9310048L1012	Manual 3 Jaw Chuck Ø 225 mm.	1.436,00

3 : Vertical Machining Centers, models L1400 & L1600

Code No.	Description	€uros
9310000L1416	Model L1400 with FAGOR 8065M Elite CNC system with 15" LCD color screen.	143.742,00
9310001L1416	Model L1400 with FAGOR 8065M Elite CNC system with 18" LCD color touch-screen.	145.583,00
9310002L1416	Model L1400 with HEIDENHAIN TNC 7 basic CNC system with 16" TFT color touch-screen.	161.494,00
9310003L1416	Model L1400 with FANUC Oi MF PLUS CNC system with 15" LCD color touch-screen.	140.863,00
9310004L1416	Model L1400 with FANUC 31i B5 PLUS CNC system with 15" LCD color touch-screen.	150.720,00
9310015L1416	Model L1600 with FAGOR 8065M Elite CNC system with 15" LCD color screen.	147.955,00
9310016L1416	Model L1600 with FAGOR 8065M Elite CNC system with 18" LCD color touch-screen.	149.795,00
9310014L1416	Model L1600 with HEIDENHAIN TNC 7 basic CNC system with 16" TFT color touch-screen.	165.707,00
9310018L1416	Model L1600 with FANUC Oi MF PLUS CNC system with 15" LCD color touch-screen.	145.076,00
9310019L1416	Model L1600 with FANUC 31i B5 PLUS CNC system with 15" LCD color touch-screen.	154.932,00

Code No.	Description	€uros
9320000L1416	Extra charge for different voltage than 400V/3Ph/50Hz. (standard).	1.642,00
9320001L1416	Remote digital assistance (EWON FLEXY 205).	1.916,00
9320002L1416	Extra charge for BDV-40 (ISO-40/DIN 69871) spindle taper.	481,00

3.1: Optional Accesories

Code No.	Description	€uros
9320003L1416	Chain type Chip Conveyor.	6.491,00
9320004L1416	Extra charge for higher column to reach 825mm. traverse on the Z axis (only for model L1600).	4.808,00
9320005L1416	Extra for double arm (CHAIN type) automatic tool changer of 40 tools capacity (BBT-40/BDV 40).	9.864,00
9320045L1416	Extra for double arm (CHAIN type) automatic tool changer of 60 tools capacity (BBT-40/BDV 40).	19.657,00
9320046L1416	Extra for double arm (CHAIN type) automatic tool changer of 80 tools capacity (BBT-40/BDV 40).	31.449,00
9320006L1416	Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & DISK type Tool Changer of 24 tools (speeds limited to 6.000 rpm).	12.122,00
9320008L1416	Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & CHAIN type Tool Changer of 40 tools (speeds limited to 6.000 rpm).	21.194,00
9320009L1416	Coolant through the spindle with 20 bar coolant pump and 25 micron filter (for belt driven spindles).	6.944,00
9320010L1416	Coolant through the spindle with 40 bar coolant pump and 25 micron filter (for belt driven spindles).	13.358,00
9320011L1416	Coolant through the spindle with 20 bar coolant pump and 25 micron filter (for direct drive spindles).	5.153,00
9320012L1416	Coolant through the spindle with 40 bar coolant pump and 25 micron filter (for direct drive spindles).	11.563,00
9320013L1416	Extra charge for FAGOR linear scales in X-Y-Z for models L1400 or L1600 (FAGOR or FANUC CNC systems).	14.092,00
9320014L1416	Extra charge for HEIDENHAIN linear scales in X-Y-Z for models L1400 or L1600 (HEIDENHAIN CNC systems).	16.231,00
9320015L1416	Automatic Power Off M30.	515,00
9320047L1416	Spin windows, HEMA brand, model SPINVISTA EVO HC 24VDC .	4.796,00
9320048L1416	Compact oil mist colector, FILTERMIST brand, model XCEL2 FX 6002V .	7.019,00
9320049L1416	MQL system, SCHIEDLE brand, model LUBRIMAT L60 (external lubrication system).	5.170,00
9320016L1416	Oil Skimmer.	1.122,00
9320017L1416	Extra for installation of ZF gear box (2 speeds) Maximun 6.000rpm.	15.823,00

3.2: Main Spindle Options

Code No.	Description	Euros
9320018L1416	Belt driven spindle up to 10.000rpm. with its spindle oil-cooler.	924,00
9320019L1416	Belt driven spindle up to 12.000rpm. with its spindle oil-cooler.	2.862,00
9320020L1416	Extra charge for 17/25kW spindle motor (only for belt driven spindle) for FAGOR CNC systems (spindle speeds limited to 6.000	3.571,00
9320021L1416	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.	12.703,00
9320022L1416	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.	16.902,00
9320023L1416	Direct Drive Spindle at 12.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems.	9.637,00
9320024L1416	Direct Drive Spindle at 15.000rpm. with 10/14kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems.	16.230,00
9320025L1416	Direct Drive Spindle at 12.000rpm. with 15/18,5kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems.	16.977,00
9320026L1416	Direct Drive Spindle at 15.000rpm. with 15/18,5kW. spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems.	20.965,00
9320027L1416	Built-in Spindle up to 30.000rpm HSK-50E with 15/20kW motor and oil/air lubrication system.	35.541,00

3.3: 4th axis Options (FAGOR & FANUC)

Code No.	Description	Euros
9320028L1416	Extra for pre-installation of a 4th axis (only cabling and HARTING connector).	1.519,00
9320029L1416	Extra for pre-installation of a 4th axis (cabling, HARTING connector and servo-driver).	3.521,00
9320030L1416	DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis.	14.960,00
9320031L1416	Manual Tailstock of 190mm height.	1.354,00
9320032L1416	Manual 3 Jaw Chuck Ø 225mm.	1.436,00
9320033L1416	DETRON GXA-320H Electronical Dividing of 210mm height between points and Ø 320mm fitted as a 4th axis.	17.323,00
9320034L1416	Manual Tailstock of 210mm height.	1.354,00
9320035L1416	Manual 3 Jaw Chuck Ø 250mm.	2.729,00

3.4: 4th axis Options (HEIDENHAIN)

Code No.	Description	Euros
9320036L1416	Extra for pre-installation of a 4th axis (only cabling and HARTING connector).	1.942,00
9320037L1416	Extra for pre-installation of a 4th axis (cabling, HARTING connector and servo-driver).	8.857,00
9320038L1416	DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis.	21.953,00
9320039L1416	Manual Tailstock of 190mm height.	1.354,00
9320040L1416	Manual 3 Jaw Chuck Ø 225mm.	1.436,00
9320041L1416	DETRON GXA-320 H Electronical Dividing of 210mm height between points and Ø 320mm fitted as a 4th axis.	24.452,00
9320042L1416	Manual Tailstock of 210mm height.	1.354,00
9320043L1416	Manual 3 Jaw Chuck Ø 250mm.	2.729,00

4 : Vertical Machining Center, model L2000

Code No.	Description	€uros
931000L2000	Model L2000 with FAGOR 8065M Elite CNC system with 15" LCD color screen.	248.975,00
9310001L2000	Model L2000 with FAGOR 8065M Elite CNC system with 18" LCD color touch-screen.	252.202,00
9310002L2000	Model L2000 with HEIDENHAIN TNC 7 basic CNC system with 16" TFT color touch-screen.	266.279,00
9310003L2000	Model L2000 with FANUC Oi MF PLUS CNC system with 15" LCD color touch-screen.	251.305,00
9310004L2000	Model L2000 with FANUC 31i B5 PLUS CNC system with 15" LCD color touch-screen.	260.330,00

Code No.	Description	€uros
9310008L2000	Extra charge for different voltage other than 400V/3Ph/50Hz. (standard) .	2.052,00
9310024L2000	Remote digital assistance (EWON FLEXY 205).	1.916,00
9310009L2000	Extra charge for BDV-40 (ISO-40/DIN 69871) spindle taper.	169,00

4.1: Optional Accesories

Code No.	Description	€uros
9310010L2000	Chain type Chip Conveyor.	9.150,00
9310011L2000	Extra for double arm (CHAIN type) automatic tool changer of 40 tools capacity (BBT-40/BDV-40).	9.864,00
9310050L2000	Extra for double arm (CHAIN type) automatic tool changer of 60 tools capacity (BBT-40/BDV-40).	20.272,00
9310051L2000	Extra for double arm (CHAIN type) automatic tool changer of 80 tools capacity (BBT-40/BDV-40).	31.470,00
9310012L2000	Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & DISK type Tool Changer of 24 tools (speeds limited to 6.000 rpm).	11.510,00
9310014L2000	Extra for BT-50/ISO-50 (DIN 69871) Spindle Taper & CHAIN type Tool Changer of 40 tools (spindle speeds limited to 6.000rpm).	21.194,00
9310015L2000	Coolant through the spindle with 20 bar coolant pump and 25 micron filter (for belt driven spindles).	6.944,00
9310016L2000	Coolant through the spindle with 40 bar coolant pump and 25 micron filter (for belt driven spindles).	11.637,00
9310017L2000	Coolant through the spindle with 20 bar coolant pump and 25 micron filter (for direct drive spindles).	5.153,00
9310018L2000	Coolant through the spindle with 40 bar coolant pump and 25 micron filter (for direct drive spindles).	11.563,00
9310019L2000	Extra charge for FAGOR linear scales in X-Y-Z for model L2000 (FAGOR or FANUC CNC systems).	16.719,00
9310020L2000	Extra charge for HEIDENHAIN linear scales in X-Y-Z for model L2000 (HEIDENHAIN CNC systems).	20.314,00
9310021L2000	Automatic Power Off M30	515,00
9310052L2000	Spin windows, HEMA brand, model SPINVISTA EVO HC 24VDC .	4.796,00
9310053L2000	Compact oil mist colector, FILTERMIST brand, model XCEL2 FX 7002V .	8.140,00
9310054L2000	MQL system, SCHIEDLE brand, model LUBRIMAT L60 (external lubrication system).	5.170,00
9310022L2000	Oil Skimmer	1.122,00
9310023L2000	Extra for installation of ZF gear box (2 speeds) Maximun 6.000rpm.	14.813,00

4.2: Main Spindle Options

Code No.	Description	€uros
9310025L2000	Belt driven spindle at 10.000rpm. with spindle oil cooler.	924,00
9310026L2000	Belt driven spindle at 12.000rpm. with spindle oil cooler.	2.862,00
9310027L2000	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.	11.588,00
9310028L2000	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.	14.407,00
9310029L2000	Direct Drive Spindle at 12.000rpm . with 10/14kW . spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems.	5.866,00
9310030L2000	Direct Drive Spindle at 15.000rpm . with 10/14kW . spindle motor, oil cooled spindle and air-oil bearings lubrication system for HEIDENHAIN CNC systems.	12.588,00
9310031L2000	Direct Drive Spindle at 12.000rpm . with 11/15kW . spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems.	13.652,00
9310032L2000	Direct Drive Spindle at 15.000rpm . with 11/15kW . spindle motor, oil cooled spindle and air-oil bearings lubrication system for FANUC CNC systems.	17.847,00
9310033L2000	Built-in Spindle up to 30.000rpm HSK-50E with 15/20kW motor and oil/air lubrication system.	35.541,00

4.3: 4th axis Options (FAGOR & FANUC)

Code No.	Description	€uros
9310034L2000	Extra charge for pre-installation of a 4th axis (only cabling and connector).	1.519,00
9310035L2000	Extra for pre-installation of a 4th axis (cabling, connector and servo-driver).	3.236,00
9310036L2000	DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis.	14.960,00
9310037L2000	Manual Tailstock of 190mm height.	1.354,00
9310038L2000	3 Jaw Chuck Ø 225mm.	1.436,00
9310039L2000	DETRON GXA-320H Electronic Dividing Head of 210 mm. height between points and Ø 320 mm. fitted as a 4th axis.	17.323,00
9310040L2000	Manual tailstock of 210 mm. height.	1.354,00
9310041L2000	3 Jaw Chuck Ø 250 mm.	2.729,00

4.4: 4th axis Options (HEIDENHAIN & SIEMENS)

Code No.	Description	€uros
9310042L2000	Extra charge for pre-installation of a 4th axis (only cabling and connector).	1.942,00
9310043L2000	Extra for pre-installation of a 4th axis (cabling, connector and servo-driver).	8.857,00
9310044L2000	DETRON GXA-255H Electronical Dividing Head of 190mm height between points and Ø 255mm fitted as a 4th axis.	21.953,00
9310045L2000	Manual Tailstock of 190mm height.	1.354,00
9310046L2000	3 Jaw Chuck Ø 225mm.	1.436,00
9310047L2000	DETRON GXA-320H Electronic Dividing Head of 210 mm. height between points and Ø 320 mm. fitted as a 4th axis.	24.452,00
9310048L2000	Manual tailstock of 210 mm. height.	1.354,00
9310049L2000	3 Jaw Chuck Ø 250 mm.	2.729,00

5.2: Electronic Touch Probes for HEIDENHAIN TNC 7 Basic

Code No.	Description	€uros
93401RENISHAW	RENISHAW Contact tool setting probe, model TS27R (cable transmission).	4.667,00
93400BLUM	BLUM Contact tool setting probe, model ZX-SPEED (cable transmission).	5.605,00
93400HEIDI	HEIDENHAIN Contact tool setting probe, model TT-160 (cable transmission).	5.001,00
93402RENISHAW	RENISHAW Contact tool setting probe, model OTS AA (optical transmission).	9.117,00
93401BLUM	BLUM Contact tool setting probe, model ZX-SPEED IR (optical transmission).	8.860,00
93401HEIDI	HEIDENHAIN Contact tool setting probe, model TT-460 (optical transmission) with EnDat protocol system.	9.587,00
93403RENISHAW	RENISHAW Component setting & inspection probe, model OMP60 (optical transmission).	11.307,00
93402BLUM	BLUM Component setting & inspection probe, model TC-50 (optical transmission).	8.131,00
93402HEIDI	HEIDENHAIN Component setting & inspection probe, model TS-460 (optical transmission) with EnDat protocol system.	9.658,00
93404RENISHAW	RENISHAW Component setting & inspection probe, model OMP60 and Contact tool setting probe, model OTS AA (optical transmission).	14.207,00
93406BLUM	BLUM Component setting & inspection probe, model TC-50 and Contact tool setting probe, model ZX-SPEED IR (optical transmission).	12.533,00
93403HEIDI	HEIDENHAIN Component setting & inspection probe, model TS-460 and Contact tool setting probe, model TT-460 (optical transmission) with EnDat protocol system.	14.489,00

5.3: Electronic Touch Probes for FAGOR & FANUC

Code No.	Description	€uros
93501RENISHAW	RENISHAW Contact tool setting probe, model TS27R (cable transmission).	4.141,00
93500BLUM	BLUM Contact tool setting probe, model ZX-SPEED (cable transmission).	5.178,00
93502RENISHAW	RENISHAW Contact tool setting probe, model OTS AA (optical transmission).	8.591,00
93501BLUM	BLUM Contact tool setting probe, model ZX-SPEED IR (optical transmission).	8.433,00
93503RENISHAW	RENISHAW Component setting & inspection probe, model OMP60 (optical transmission).	11.807,00
93502BLUM	BLUM Component setting & inspection probe, model TC-50 (optical transmission).	7.704,00
93504RENISHAW	RENISHAW Component setting & inspection probe, model OMP60 and Contact tool setting probe, model OTS AA (optical transmission).	15.435,00
93503BLUM	BLUM Component setting & inspection probe, model TC-50 and Contact tool setting probe, model ZX-SPEED IR (optical transmission).	12.106,00