Imagine the product then Let FEMTO do it

FEMTO CNC

www.elfamak.com.tr
www.femtocnc.com.tr

ELFAMAK
• MAKİNE TEKNOLOJİLERİ •

www.elfasirketleri.com

ELFA

GROUP COMPANIES

FEMTO CNC

www.femtocnc.com.tr

OUR BRANDS

ELFATEK • ELEKTRONIK •

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Crane Radio Remote Control Systems,
Siren Lights and Overload Systems

ELFATEK
ELFASOFT
friction
SIREX
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ANKEBOT
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ELFAMAK • MAKİNE TEKNOLOJİLERİ •

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Cnc Routers and
Cnc Milling Production

ELFAMAK
FEMTO CNC
VENOM
TORRO
ALTOR

ELFA KALIP

www.elfakalip.com

Plastic Injection,
Mould Production

Plastic Modular
Drawer System,
Rotating Drawer System
and Drawer Cabinet

KAPEL PLASTİK

www.kapelplastik.com

elfa EXPORT

www.elfaexport.com

Import and
Export Services

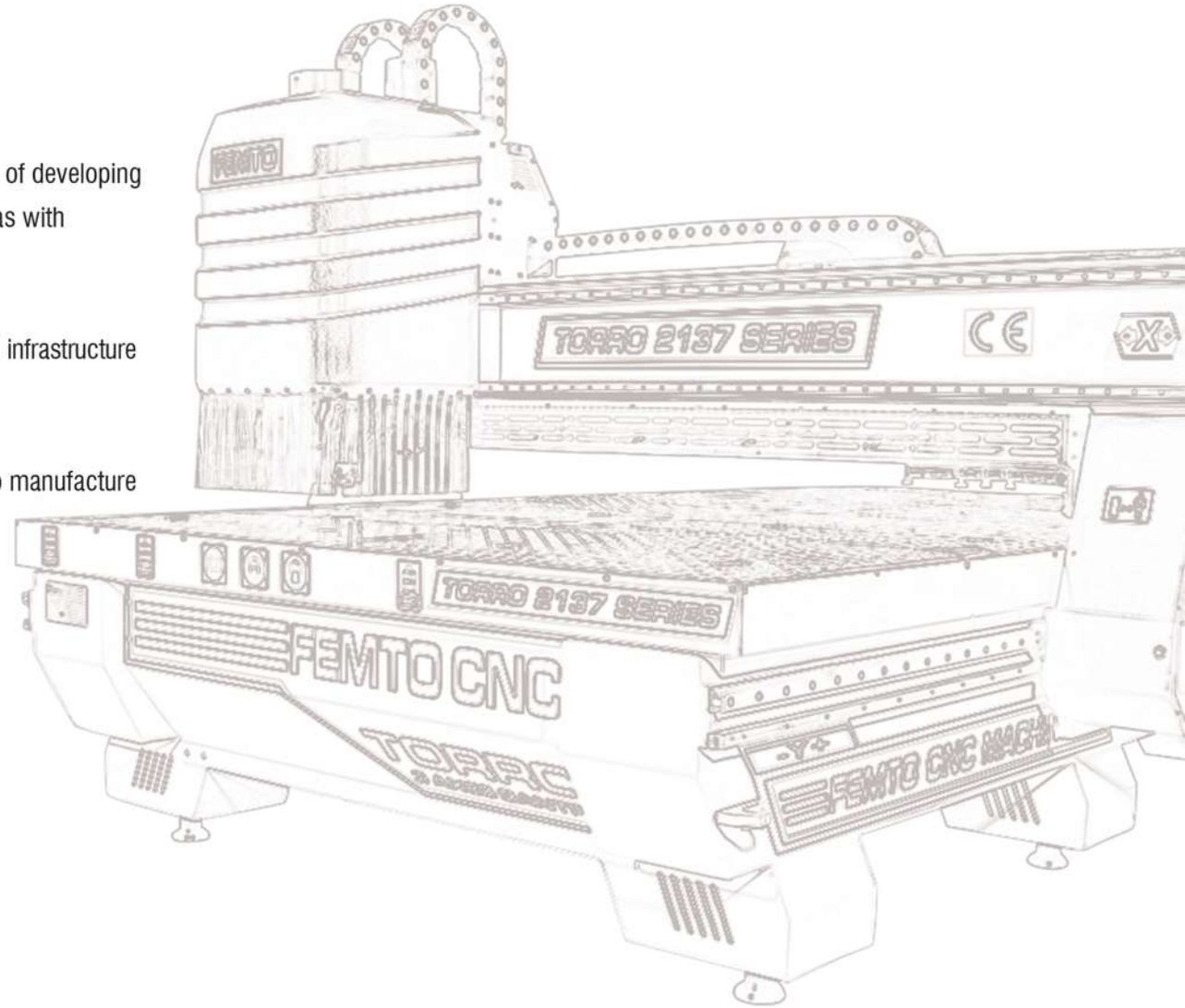
elfa EXPORT

ABOUT FEMTO CNC

Femto CNC to place among leading companies in this field with the concious of developing R&D philosophy and shaping the sector by inspiring the field, thinking up ideas with **FEMTO CNC** Brand.

ELFAMAK aimed to be a leading manufacturer in Türkiye with the technological infrastructure investments and lasting R&D projects.

ELFAMAK keeps on doing activities with the young and dynamic engineers to manufacture high performance and quality products for the needs of industry.



ELFA ŞİRKETLERİ

Establishment

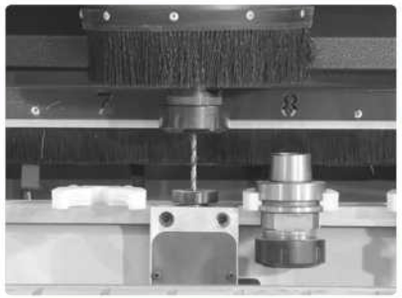
Imagine the Product then Let VENOM do it

VENOM SERIES TECHNICAL SPECIFICATIONS

VENOM

Control Panel (Siemens / Mitsubishi)

Tool Magazine (14 pieces)



Automatic Tool Reset

Hand Wheel

Safety Impact Sensor

Automatic Sweeping and Plate Transfering

SPECIALITIES	1428 SERIES	2128 SERIES	2137 SERIES	2142 SERIES
Net Working Area	1400x2800x250	2100x2800x250	2100x3700x250	2100x4200x250
Chassis Type	Iron Profile Chassis	Iron Profile Chassis	Iron Profile Chassis	Iron Profile Chassis
Spindle RPM	24000	24000	24000	24000
Spindle Motor	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw
Servo Motion Motors	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Servo Drives	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Gearboxes	Servo Gearbox Without Space	Servo Gearbox Without Space	Servo Gearbox Without Space	Servo Gearbox Without Space
X and Y Axis Mechanical Parts	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear
Z Axis Mechanical Parts	Linear Guide, Ball Screw	Linear Guide, Ball Screw	Linear Guide, Ball Screw	Linear Guide, Ball Screw
CNC Control System	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Table Type	4 Area Control With Vacuum (Aluminum Table)	8 Area Control With Vacuum (Aluminum Table)	8 Area Control With Vacuum (Aluminum Table)	8 Area Control With Vacuum (Aluminum Table)
Vacuum Pump	100 cubic meter	305 cubic meter	305 cubic meter	305 cubic meter
Programme Sensitivity	0.001	0.001	0.001	0.001
Panel	Industrial Type Box	Industrial Type Box	Industrial Type Box	Industrial Type Box
Tool Holder Type	Dın Norm ER32/ER40	Dın Norm ER32/ER40	Dın Norm ER32/ER40	Dın Norm ER32/ER40
Tool Holder Cone	HSK F63	HSK F63	HSK F63	HSK F63
Working Code System	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code
Safety System	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic
Electrical Hardware	CE Norms	CE Norms	CE Norms	CE Norms
Automatic Tool Changer	10 Pieces	14 Pieces	14 Pieces	14 Pieces
Radio Remote Control System	Standard	Standard	Standard	Standard
Lubrication System	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication
Piston Fixed Referance Point	Standard 5 Pieces	Standard 7 Pieces	Standard 7 Pieces	Standard 7 Pieces
Automatic Tool Reset	Standard	Standard	Standard	Standard
Safety Impact Sensor	Standard	Standard	Standard	Standard
Automatic Sweeping and Plate Transfer	Standard	Standard	Standard	Standard
Tool Holder Dust Protection System	Standard	Standard	Standard	Standard
Multiple Hole Unit	Optional	Optional	Optional	Optional

Imagine the Product then Let TORRO do it

TORRO SERIES TECHNICAL SPECIFICATIONS

TORRO

Control Panel (Siemens / Mitsubishi)

Tool Magazine (14 pieces)

Automatic Tool Reset

Hand Wheel

Safety Impact Sensor

Automatic Sweeping and Plate Transfering

SPECIALITIES	1428 SERIES	2128 SERIES	2137 SERIES	2142 SERIES
Net Working Area	1400x2800x250	2100x2800x250	2100x3700x250	2100x4200x250
Chassis Type	Iron Profile Chassis	Iron Profile Chassis	Iron Profile Chassis	Iron Profile Chassis
Spindle RPM	24000	24000	24000	24000
Spindle Motor	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw
Servo Motion Motors	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Servo Drives	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Gearboxes	Servo Gearbox Without Space	Servo Gearbox Without Space	Servo Gearbox Without Space	Servo Gearbox Without Space
X and Y Axis Mechanical Parts	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear
Z Axis Mechanical Parts	Linear Guide, Ball Screw	Linear Guide, Ball Screw	Linear Guide, Ball Screw	Linear Guide, Ball Screw
CNC Control System	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Table Type	4 Area Control With Vacuum (Aluminum Table)	8 Area Control With Vacuum (Aluminum Table)	8 Area Control With Vacuum (Aluminum Table)	8 Area Control With Vacuum (Aluminum Table)
Vacuum Pump	100 cubic meter	305 cubic meter	305 cubic meter	305 cubic meter
Programme Sensitivity	0.001	0.001	0.001	0.001
Panel	Industrial Type Box	Industrial Type Box	Industrial Type Box	Industrial Type Box
Tool Holder Type	Dın Norm ER32/ER40	Dın Norm ER32/ER40	Dın Norm ER32/ER40	Dın Norm ER32/ER40
Tool Holder Cone	HSK F63	HSK F63	HSK F63	HSK F63
Working Code System	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code
Safety System	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic
Electrical Hardware	CE Norms	CE Norms	CE Norms	CE Norms
Automatic Tool Changer	10 Pieces	14 Pieces	14 Pieces	14 Pieces
Lubrication System	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication
Piston Fixed Referance Point	Standard 5 Pieces	Standard 7 Pieces	Standard 7 Pieces	Standard 7 Pieces
Automatic Tool Reset	Standard	Standard	Standard	Standard
Tool Holder Dust Protection System	Standard	Standard	Standard	Standard
Automatic Sweeping and Plate Transfer	Optional	Optional	Optional	Optional
Safety Impact Sensor	Optional	Optional	Optional	Optional
Multiple Hole Unit	Optional	Optional	Optional	Optional
Radio Remote Control System	Optional	Optional	Optional	Optional

ASTRO

Imagine the Product then Let ASTRO do it

Control Panel (DELTA / LNC)

Tool Magazine (12 pieces)

Automatic Tool Reset

Hand Wheel

Safety Impact Sensor (Optional)

Automatic Sweeping and Plate Transfering (Optional)

SPECIALITIES	1428 SERIES	2128 SERIES	2137 SERIES	2142 SERIES
Net Working Area	1400x2800x250	2100x2800x250	2100x3700x250	2100x4200x250
Chassis Type	Iron Profile Chassis	Iron Profile Chassis	Iron Profile Chassis	Iron Profile Chassis
Spindle RPM	24000	24000	24000	24000
Spindle Motor	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw	Hsd / Hiteco 9 - 12 Kw
Motion Motors	Delta / Yaskawa Servo Motors	Delta / Yaskawa Servo Motors	Delta / Yaskawa Servo Motors	Delta / Yaskawa Servo Motors
Gearboxes	Servo Gearbox Without Space	Servo Gearbox Without Space	Servo Gearbox Without Space	Servo Gearbox Without Space
X and Y Axis Mechanical Parts	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear
Z Axis Mechanical Parts	Linear Guide, Ball Screw	Linear Guide, Ball Screw	Linear Guide, Ball Screw	Linear Guide, Ball Screw
CNC Control System	Delta / Lnc	Delta / Lnc	Delta / Lnc	Delta / Lnc
Table Type	4 Area Control With Vacuum (Aluminum Table)	5 Area Control With Vacuum (Aluminum Table)	5 Area Control With Vacuum (Aluminum Table)	5 Area Control With Vacuum (Aluminum Table)
Vacuum Pump	100 cubic meter	305 cubic meter	305 cubic meter	305 cubic meter
Programme Sensitivity	Automatic	Automatic	Automatic	Automatic
Panel	Industrial Type Box	Industrial Type Box	Industrial Type Box	Industrial Type Box
Tool Holder Type	Dın Norm ER32/ER40	Dın Norm ER32/ER40	Dın Norm ER32/ER40	Dın Norm ER32/ER40
Tool Holder Cone	HSK F63	HSK F63	HSK F63	HSK F63
Working Code System	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code
Safety System	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic
Electrical Hardware	CE Norms	CE Norms	CE Norms	CE Norms
Automatic Tool Changer	10 Pieces	12 Pieces	12 Pieces	12 Pieces
Lubrication System	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication
Piston Fixed Referance Point	Standard 3 Pieces	Standard 5 Pieces	Standard 5 Pieces	Standard 5 Pieces
Automatic Tool Reset	Standard	Standard	Standard	Standard
Automatic Sweeping and Plate Transfer	Optional	Optional	Optional	Optional
Safety Impact Sensor	Optional	Optional	Optional	Optional
Radio Remote Control System	Optional	Optional	Optional	Optional
Multiple Hole Unit	-	-	-	-
Tool Holder Dust Protection System	-	-	-	-

Imagine the Product then Let QUADRO do it

QUADRO SERIES TECHNICAL SPECIFICATIONS

QUADRO

Control Panel (PC)

SPECIALITIES	1428 SERIES	2128 SERIES	2137 SERIES	2142 SERIES
Net Working Area	1400x2800x250	2100x2800x250	2100x3700x250	2100x4200x250
Chassis Type	Square Iron Profile Chassis	Square Iron Profile Chassis	Square Iron Profile Chassis	Square Iron Profile Chassis
Spindle Motor	Hsd / Arel / Hiteco	Hsd / Arel / Hiteco	Hsd / Arel / Hiteco	Hsd / Arel / Hiteco
Spindle Motor Power	2.2/5 Kw	2.2/5 Kw	2.2/5 Kw	2.2/5 Kw
Spindle RPM	24000/18000	24000/18000	24000/18000	24000/18000
Speed Control	2.2/5Kw	2.2/5Kw	2.2/5Kw	2.2/5Kw
Motion Motors	Servo Motor	Servo Motor	Servo Motor	Servo Motor
X and Y Axis Mechanical Parts	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear	Linear Rail, Helical Rack Gear
Z Axis Mechanical Parts	Linear Rail, Ball Screw	Linear Rail, Ball Screw	Linear Rail, Ball Screw	Linear Rail, Ball Screw
CNC Control System	Radonix Cam Pro / Mach3	Radonix Cam Pro / Mach3	Radonix Cam Pro / Mach3	Radonix Cam Pro / Mach3
Table Type	Compact Table	Compact Table	Compact Table	Compact Table
Programme Sensitivity	0.001	0.001	0.001	0.001
Cooling Sytem	Automatic Micro Injection	Automatic Micro Injection	Automatic Micro Injection	Automatic Micro Injection
Panel	Industrial Type Box	Industrial Type Box	Industrial Type Box	Industrial Type Box
Tool Holder Type	ER25/ER32	ER25/ER32	ER25/ER32	ER25/ER32
Working Code System	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code
Safety System	Elektronic Sensor, EMG, Mechanic	Elektronic Sensor, EMG, Mechanic	Elektronic Sensor, EMG, Mechanic	Elektronic Sensor, EMG, Mechanic
Operating System	Windows	Windows	Windows	Windows
Electrical Hardware	CE Norms	CE Norms	CE Norms	CE Norms

ALTOR

Solution Partner for your Molding and Modelling Works

Design the Product then Let ALTOR do it

ALTOR SERIES TECHNICAL SPECIFICATIONS

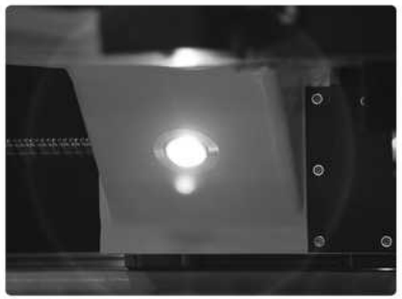
ALTOR

Control Panel (Siemens / Mitsubishi)

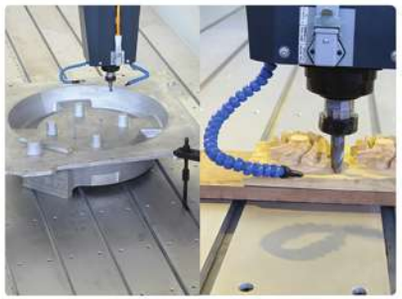
Tool Magazine (8 pieces)

Automatic Tool Reset

Hand Wheel



Led Lighting



Aluminum and Wood Processing

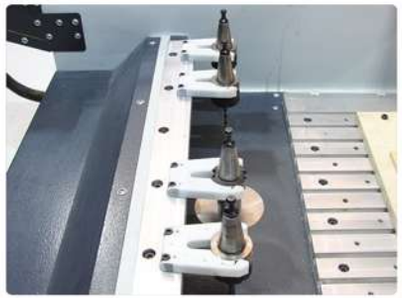
SPECIALITIES	1010 SERIES	1020 SERIES	1520 SERIES	1530 SERIES
Net Working Area	1000x1000x600	1000x2000x600	1500x2000x600	1500x3000x600
Chassis Type	Square Iron Profile Chassis	Square Iron Profile Chassis	Square Iron Profile Chassis	Square Iron Profile Chassis
Spindle Motor	Hsd / Hiteco	Hsd / Hiteco	Hsd / Hiteco	Hsd / Hiteco
Spindle Power	12 Kw	12 Kw	12 Kw	12 Kw
Spindle RPM	24000	24000	24000	24000
Speed Control	12 Kw	12 Kw	12 Kw	12 Kw
Servo Motion Motors	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Servo Drives	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
X,Y and Z Non Axis Mechanical Parts	Linear Rail, Ball Screw	Linear Rail, Ball Screw	Linear Rail, Ball Screw	Linear Rail, Ball Screw
CNC Control System	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi	Siemens / Mitsubishi
Table Type	T Type Table	T Type Table	T Type Table	T Type Table
Automatic Tool Changer	8 Pieces	8 Pieces	8 Pieces	8 Pieces
Programme Sensitivity	0.001	0.001	0.001	0.001
Panel	Industrial Type Box	Industrial Type Box	Industrial Type Box	Industrial Type Box
Tool Holder Type	HSK F63	HSK F63	HSK F63	HSK F63
Working Code System	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code
Safety System	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic
Electrical Hardware	CE Norms	CE Norms	CE Norms	CE Norms
Lubrication System	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication
Tool Changer System	Automatic	Automatic	Automatic	Automatic
Tool Measuring System	Automatic	Automatic	Automatic	Automatic
Radio Remote Control System	Optional	Optional	Optional	Optional

Design the Product then Let ALTOR MiNi do it

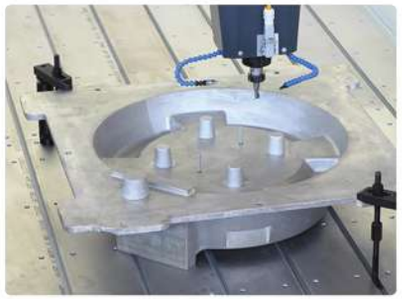
ALTOR MİNİ SERIES TECHNICAL SPECIFICATIONS

ALTOR MINI

Control Panel (Delta / Lnc / PC)



Tool Magazine (4 pieces)



Aluminum Machining

Handwheel

Woodworking

SPECIALITIES	4060 SERIES	5070 SERIES	6080 SERIES	80100 SERIES
Net Working Area	400x600x200	500x700x200	600x800x200	800x1000x200
Chassis Type	Square Iron Profile Chassis	Square Iron Profile Chassis	Square Iron Profile Chassis	Square Iron Profile Chassis
Spindle Motor	Hsd / Hiteco	Hsd / Hiteco	Hsd / Hiteco	Hsd / Hiteco
Spindle Power	5,5 Kw	5,5 Kw	5,5 Kw	5,5 Kw
Spindle RPM	24000	24000	24000	24000
Speed Control	5,5 Kw	5,5 Kw	5,5 Kw	5,5 Kw
Motion Motors	Delta / Yaskawa	Delta / Yaskawa	Delta / Yaskawa	Delta / Yaskawa
Servo Drives	Servo Drives	Servo Drives	Servo Drives	Servo Drives
X,Y and Z Non Axis Mechanical Parts	Linear Rail, Ball Screw	Linear Rail, Ball Screw	Linear Rail, Ball Screw	Linear Rail, Ball Screw
CNC Control System	Delta / Lnc / PC	Delta / Lnc / PC	Delta / Lnc / PC	Delta / Lnc / PC
Table Type	T Type Table	T Type Table	T Type Table	T Type Table
Automatic Tool Changer	4 Pieces	4 Pieces	4 Pieces	4 Pieces
Programme Sensitivity	0.001	0.001	0.001	0.001
Panel	Industrial Type Box	Industrial Type Box	Industrial Type Box	Industrial Type Box
Tool Holder Type	ISO 30	ISO 30	ISO 30	ISO 30
Working Code System	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code	Standard Iso G Code
Safety System	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic	Electronic Sensors, EMG, Mechanic
Electrical Hardware	CE Norms	CE Norms	CE Norms	CE Norms
Lubrication System	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication	Automatic Central Lubrication
Tool Changer System	Automatic	Automatic	Automatic	Automatic
Radio Remote Control System	Optional	Optional	Optional	Optional

FEMTO CNC

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