

MECHANICAL COMPLETE

CNC SWISS TURN

MP MEPELETE

PRODUCTS LAYOUT

∅3

∅7

∅12

∅20

1. CUSTOM MACHINE



MS20A

- Able to turn 0.3mm diameter
- Optimized for PIN machining
- High RPM machine with sub spindle

2. SMALL MACHINE



MS03



MS07

- Machinable upto 7mm
- Independent rear end
- Expansion Nos. of tool

- Variable power tool composition
- Expansion Nos. of tools incl. cross drill
- Modular tool spindle for main & sub spindle



MS12

3. MEDIUM-BIG MACHINE



MS20

4. BIG-SPECIAL MACHINE

GANG

TURRET

∅3

∅7

∅12

∅20

Ø 26

Ø 32

Ø 36

Ø 42

Ø 51

Ø 67

- Versatile Custom Machine
- Remnant Machining System
- Forging Bar Material Co-Application



MS32A

- Versatile Custom Machine
- Remnant Machining System
- Forging Bar Material Co-Application

bar diameter
machining
incl. cross drill



MS26

- High end complex machine
- Optimized power tool & modular tools
- Rear Side Big Nos. Tooling



MS32



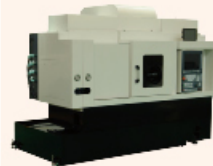
MS36 / MS38

- Big Nos. power tool & modular tools
- Various Special tool applicable
- Rear side Big Nos. Tooling

- Various Kinds Chucks
- BAR, Forging material applicable
- Steel, Alloy steel application



MG42



MG51



MG67

- Two spindle & Two turret with Y axis
- Optimized loading for BAR & Forged
- Various Kinds Chucks



MT180



MT280

Ø 26

Ø 32

Ø 36

Ø 42

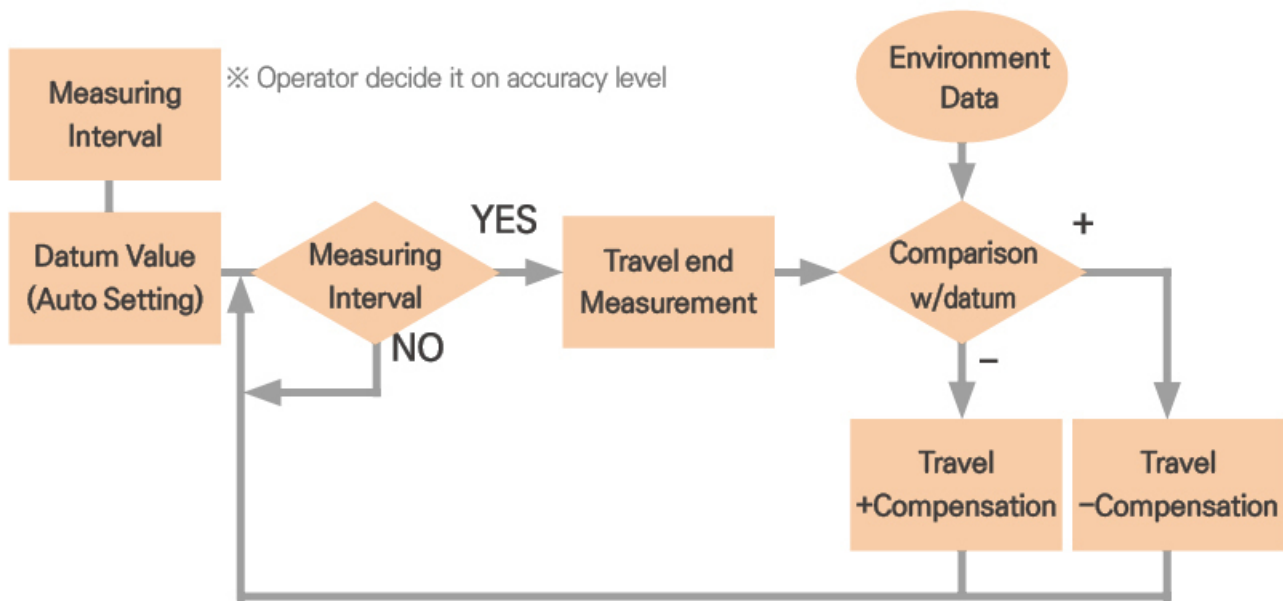
Ø 51

Ø 67

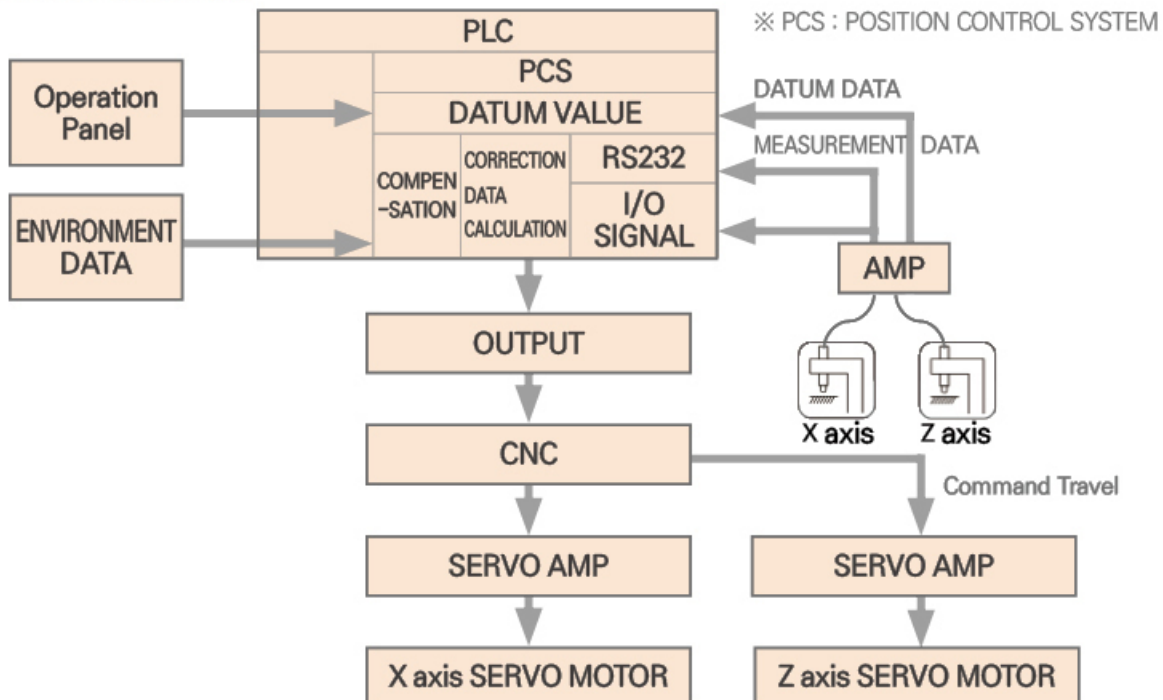
CORRECTION of HEAT DEFORMATION & TRAVEL ERROR(Patent pending)

- Work Dimension TOLERANCE 10 MICRON class
- Slide Repeatability ± 0.002 (24hours, 4seasons)
- Cpk 1.67 GUARANTEE(Datum Tolerance 0.05)
- Travel End Measuring on Machining

SYSTEM FLOW CHART



CONSTRUCTION

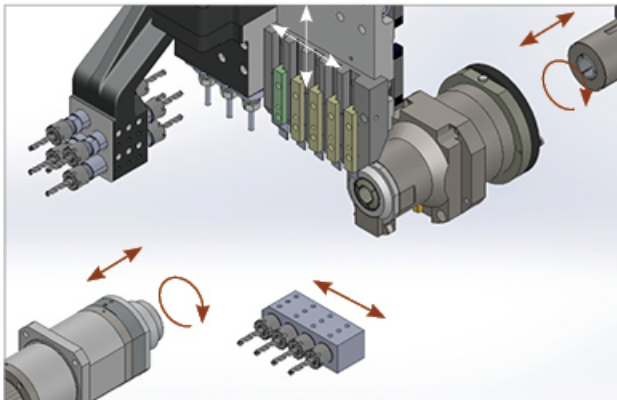


MS20A / MS32A



- Versatile Custom Machine
- FORGING & BAR Co-Application
- GUIDE & NON GUIDE Convertible
- Remnant Machining System

Type1 : Main Spindle + OD & ID Tools
 Type2 : Type1 + Cross Drill
 Type3 : Type2 + Sub Spindle
 Type4 : Type3 + Rear End machining



Front Machining Tool

OD Tools	5 ea
Sleeve Holder	4 ea
Cross Drill	3 ea

Rear End Machining

Sleeve Holder	4 ea
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Machine Specification

Specification		Unit	Model	
Item	Details		MS20A	MS32A
Capability	Max Machin'g Dia	mm	ø20	ø32
	Max Stroke	mm	200	320
OD Tools	No. of tools	ea	5~8	5~8
ID Tools(Sleeve holder)	No. of tools	ea	4	4
Power driven tool(Cross)	No. of tools	ea	3	3
	Motor power	KW	0.5	1
Main Spindle	Motor power	KW	3	5.5
Sub Spindle	Motor power	KW	1.5	2.2
Rear working capability	No. of tools(front sleeve)	ea	4	4

※ Specification can be modified for performance improvement

MS03 / MS07



- Able to turn 0.3mm Diameter
- Optimized for PIN machining
- High RPM main & sub spindle[C Axis]
- Expansion Nos. of Tools

Front Maching

MS03 MS07

Tool Holder OD Tools 6ea 6ea

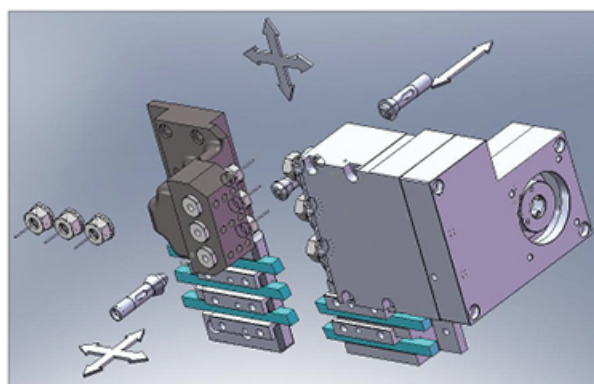
Sleeve Holder For front 3ea 3ea

For rear 3ea 3ea

Power Tool (Integral)

Slot Machining 1ea 1ea

Cross Drill 1ea 1ea



Back Maching

Sleeve Holder 0ea 3ea

Machine Specification

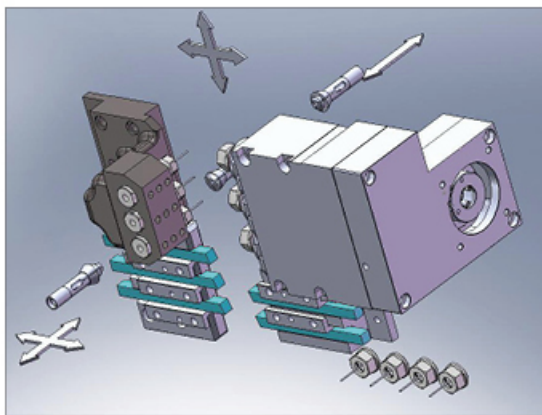
Specification		UNIT	Model	
Item	Details		MS03	MS07
Capability	Max Machin'g Dia	mm	3	7
	Max Stroke	mm	120	120
OD Tools	No. of tools	ea	6	6
	Tool Shank	mm	8×8	8×8
ID Tools	No. of tools	ea	3	3
Power driven tool	No. of tools	ea	1 (2, 3 OPT)	1~3
	Motor power	KW	0.4	0.4
	RPM	Max	8000	8000
Main Spindle	RPM	Max	15,000(20,000 OPT)	10,000(12,000)
	Motor power	KW	0.75 / 1.1	0.75 / 1.1
Sub Spindle	RPM	Max	15,000(20,000 OPT)	10,000(12,000)
	Motor power	KW	0.75 / 1.1	0.75 / 1.1
Rear working capability		ea	Applying main tools	3

※ Specification can be modified for performance improvement

MS12



- Expansion Nos. of tools [incl. cross drill]
- Modular Tooling for Special Tools
- Rear End Machining [Modular Tool, Power Tool]
- Versatile cross drill construction



Front Machining Tool

OD Tools	5ea(7 OPT)
ID Tool(sleeve holder)	3 ea
Cross Drill	3~5ea(5 OPT)
Front rotation(OPT)	0~1ea

Back Machining Tool

Sleeve holder	4 ea
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Machine Specification

Specification		UNIT	Model
Item	Details		MS12A
Capability	Max Machin'g Dia	mm	12
	Max Stroke	mm	190
OD Tools	No. of tools	ea	5(7,9 OPT)
ID Tools(Sleeve holder)	No. of tools	ea	3(4 OPT)
Power Driven tool	No. of tools	ea	3
	Motor power	KW	0.4
Main Spindle	RPM	Max	10,000
	Motor power	KW	1.5 / 2.2
Sub Spindle	RPM	Max	10,000
	Motor power	KW	0.75 / 1.1
Rear working capability	No. of tools	ea	4 Fixed (power tool OPT)

※ Specification can be modified for performance improvement

MS20 / MS26



- High end complex tooling machine
- Various Power Tooling with Modular Tools
- Rear Side Big Nos Tooling
- Y2 Axis + Cross Drill [Modular]

Front Machining

OD Tools		6ea
ID Tool(sleeve)	For front	5ea
	For Rear	5ea
Power Tool (Integral + Modular)	Cross	5ea(Max)
	Front	5ea(Max)
	Rear side	3ea(Max)
Deep hole drill	(Fixed OPT)	2ea
	(Rotation OPT)	

※그림주세요.

Back Machining

Power Tool (modular)	4ea
(cross applicable)	
Tool sleeve (for ID or OD)	2 ea
Y2 axis	4 power tool
	4 fixed tool

Machine Specification

Specification		UNIT	Model	
Item	Details		MS20	MS26
Capability	Max Machin'g Dia	mm	20	26
OD Tools	No. of tools	ea	6	6
ID Tools(Sleeve holder)	No. of tools	ea	5	5
Power driven tool	No. of tools	ea	5~10(incl OPT)	5~10(incl OPT)
	Motor power	KW	1.2 (1.5, 1.75 OPT)	1.2 (1.5, 1.75 OPT)
Main Spindle	Motor power	KW	2.2 / 3.7	2.2 / 3.7
Sub Spindle	Motor power	KW	1.5 / 2.2	1.5 / 2.2
Rear working capa'	No. of tools	ea	4 Rotation	4 Rotation
	Motor power	KW	0.5 (0.9 OPT)	0.5 (0.9 OPT)
	Add tools w/Y2	ea	4(OPT)	4(OPT)

※ Specification can be modified for performance improvement

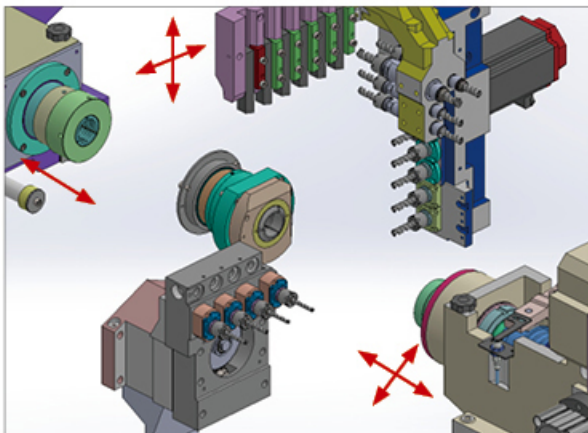
MS32 / MS36 / MS38



- High end complex tooling machine
- Various Power Modular Tools
- Rear Side Big Nos Tooling
- Y2 Axis + Cross Drill [Modular]

Front Machining

OD Tools		6ea
ID Tool(sleeve)	For front	4ea
	For Rear	4ea
Power Tool	Cross	5ea(Max)
(Integral + Modular)	Front	5ea(Max)
	Rear side	3ea(Max)



Back Machining

Power Tool(modular,cross)	4ea
Tool sleeve (for ID or OD)	2 ea
Y2 axis	4 power tool
	4 fixed tool

Machine Specification

Specification		UNIT	Model	
Item	Details		MS32	MS36/MS38
Capability	Max Machin'g Dia	mm	32	36(38)
	Max Stroke	mm	310	310
OD Tools	No. of tools	ea	6	6
ID Tools(Sleeve)	No. of tools	ea	4	4
Power driven tool	No. of tools	ea	5~10 (incl. OPT)	5~10 (incl. OPT)
	Motor power	KW	1.2 (1.5, 1.75 OPT)	1.2 (1.5, 1.75 OPT)
Main Spindle	RPM	RPM	7,000	7,000
	Motor power	KW	5.5 / 7.5	5.5 / 7.5
Sub Spindle	RPM	RPM	8,000	8,000
	Motor power	KW	2.2 / 3.7	2.2 / 3.7
Rear working capa	No. of tools	ea	4 Rotation	4 Rotation
	Motor power	KW	0.5 (0.9 OPT)	0.5 (0.9 OPT)
	Add tools w/Y2	ea	4 (OPT)	4 (OPT)

※ Specification can be modified for performance improvement

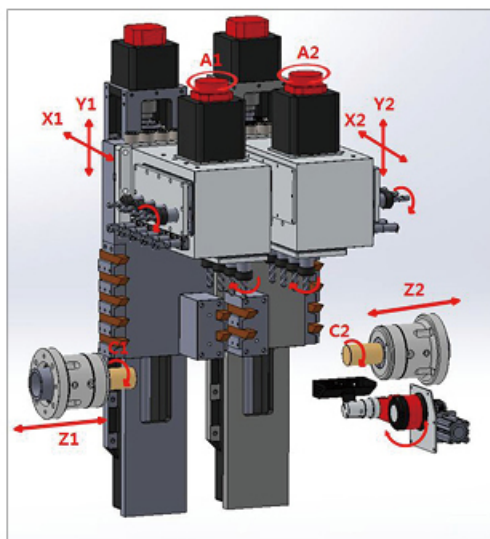
MG42 / MG51 / MG67



- BIG SIZE CNC SWISS TURN
- BAR FORGING Co-Application
- Steel & Alloy Application
- VARIOUS KINDS CHUCK

Front Machining

OD Tools		7ea
ID Tool(sleeve)		5ea
Power Tool	Cross	4ea
	Front	4ea
Deep hole drill(OPT)		2ea



Back Machining

OD Tool		7ea
ID Tool (sleeve)		5ea
Power Tool	Cross	4ea(OPT)
	Front	4ea(OPT)

Machine Specification

Specification		모델		
Item	Details	MG42	MG51	MG67
Capability	Max Bar Dia	42mm	51mm	67mm
	Dia Forging Part	70mm	100mm	100mm
Construction	No of Spindle	2 ea (Main Spindle, Sub Spindle)		
	Gang Slide	2 ea (1 for Main Spindle, 1 for Sub Spindle)		
	Control Axis	Z1, X1, Y1, C1, A1, B1/Z2, X2, Y2, C2, A2, B2		
OD Tools	No. of tools	7ea main spindle, 7 ea sub spindle		
ID Tools	Front tool sleeve	5 ea main spindle, 5ea sub spindle		
Power driven tool	Standard	4 ea Cross & Front Drill for main		
	Optional	4 ea Cross & Front Drill for sub		
Spindle	RPM	6,000	6,000	6,000
	Motor power	5,5KW	5,5KW (7,5KW OPT)	7,5KW(11KW OPT)

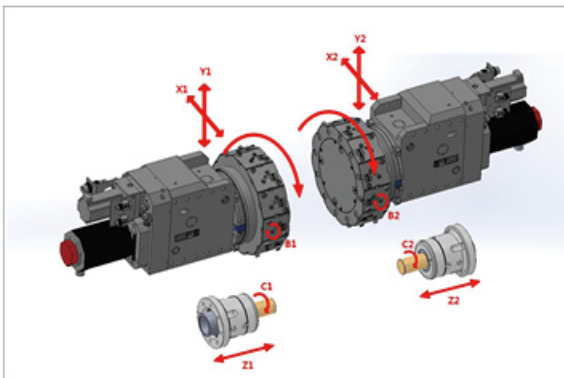
※ Specification can be modified for performance improvement

MT180 / MT280



- Optimized Loading System
- TWO TURRET with Y Axis
- Live tooling for all 12 station [16 OPT]
- Various Kinds Chucks

Left Turret with Y1 axis
 Power Tool 12 station(16 OPT)
 BMT 45/55, VDI 30/40
 Fixed Tool 12 station(16 OPT)



Right Turret with Y2 axis
 12 station(16 OPT)
 Power Tool 12 station(16 OPT)
 BMT 45/55, VDI 30/40
 Fixed Tool 12 station(16 OPT)

Machine Specification

Specification		모델	
Capability	Details	MT180	MT280
Capability	Spindle bore	66mm	76mm
	Max Work Dia	180mm	280mm
Construction	No of Spindle	2 Spindle Axis	
	No of Turret	2 ea (Main & Sub Spindle) with Y axis	
	Control Axis	Z1, X1, Y1, C1, / Z2, X2, Y2, C2	
Turret	No, of Turret	2 Turret (12 station) with Y axis	
	Power Tool	12 station(16 OPT) BMT 45/55, VDI	
Spindle	Spindle Power tool	2.2KW (3.7KW OPT)	
	RPM	6,000	6,000
	Motor Power	5.5KW(7.5, 11KW OPT)	7.5KW (11KW OPT)

※ Specification can be modified for performance improvement

MECHANICAL COMPLETE MEPLETE

Mechanical ComPlete CNC SWISS TURN



Meplete Indsutry
www.meplete.com

9, Seonggok-ro 146 beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do 425-834 Korea
T 82-2-578-5460, 070-8680-8420 F 82-2-578-5462 E-mail : sales@meplete.com