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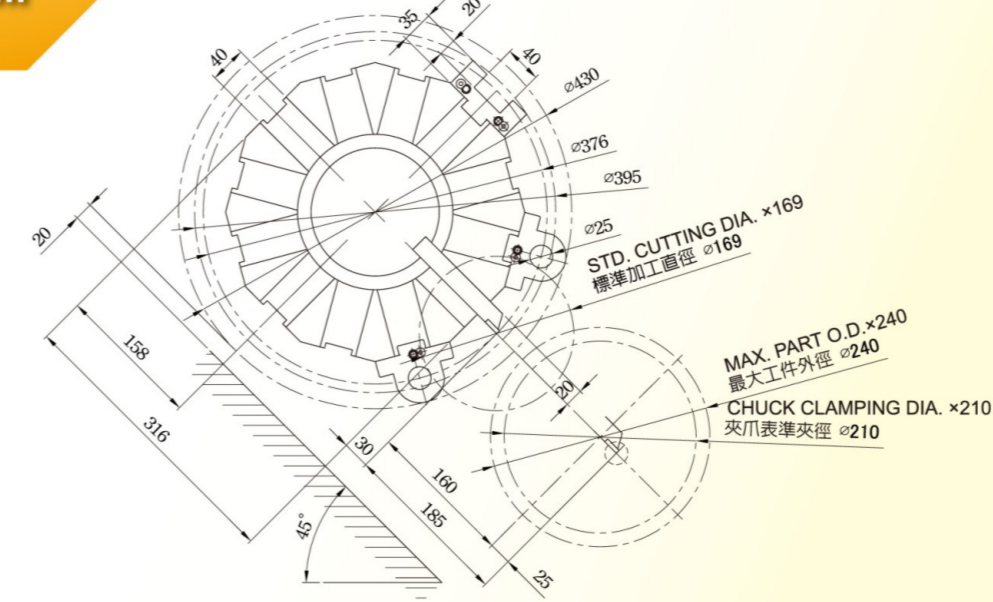
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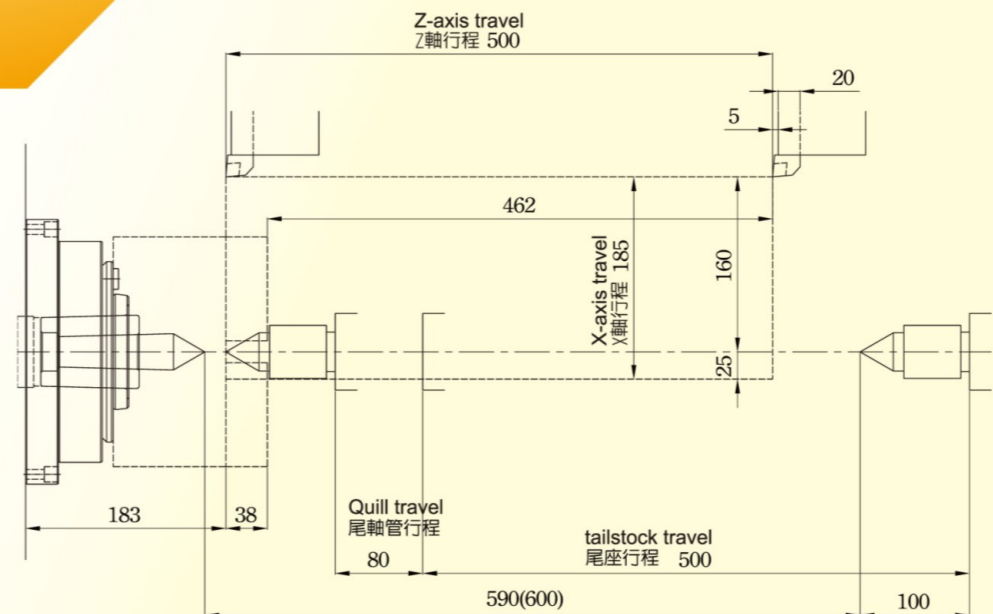
MC 4200BL(Linear Ways) 線軌
MC 6500L/8500L(Linear Ways) 線軌
MC 6500H/8500H(Box Ways) 硬軌

SLANT BED CNC LATHE
斜床式CNC車床

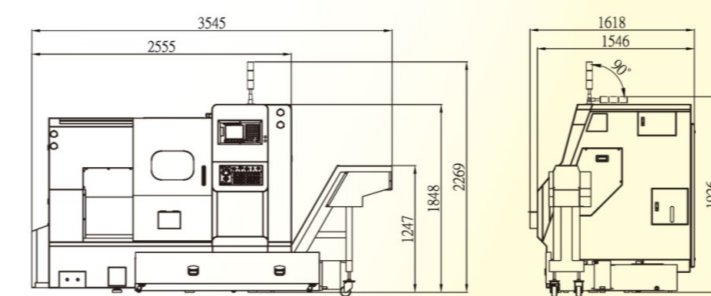
Tool Interference Diagram
刀具干涉圖



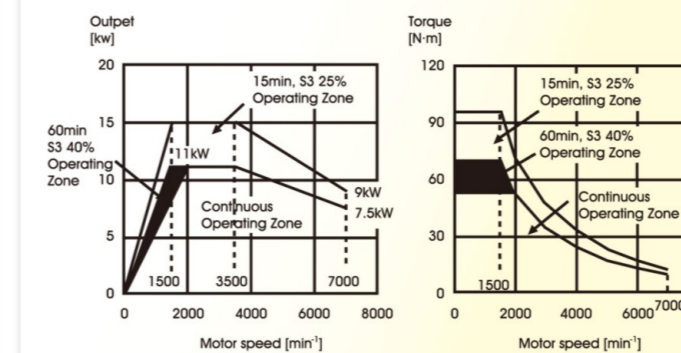
Travel range
加工行程圖



Machine Dimensions
機器尺寸圖



Spindle Speed / torque Diagram
主軸轉速 / 扭力曲線圖



機械規格表

MODEL	型號	MC 6500L	MC 8500L	MC 6500H	MC 8500H
Swing over bed	床面旋徑	φ 470	φ 470	φ 470	φ 470
Swing over saddle	鞍面旋徑	φ 360	φ 360	φ 360	φ 360
Screw size	螺桿大小	φ 32	φ 32	φ 32	φ 32
Screw lead(X-axis, Z-axis)	導程(X軸-Z軸)	10	10	10	10
Span(X-axis rail)	跨距(X軸軌道)	184	184	222	222
Span(Z-axis rail)	跨距(Z軸軌道)	328	328	390	390
Max. turning diameter	最大加工直徑	φ 240	φ 240	φ 240	φ 240
Max. turning length	最大加工長度	462	462	462	462
Max. distance between centers	兩心間距離	600	590	600	590
Spindle nose type	主軸鼻端	ASA	A2-5	A2-6	A2-5
Chuck size	夾頭尺寸	Inch 6	8	6	8
Hole through spindle	主軸通孔徑	56	62	56	62
Spindle speed	主軸轉速	rpm 6000	4500	6000	4500
Spindle horsepower	主軸馬達	Kw(hp) 11(15)	11(15)	15(20)	15(20)
Spindle horsepower Max. torsion	主軸馬達最大扭力	N-m 35.8	35.8	52.5	52.5
Spindle horsepower Max. turning	主軸馬達最大扭力轉速	rpm 1500	1500	1500	1500
Spindle accuracy	主軸精度	mm 0.003	0.003	0.003	0.003
Bar capacity	最大棒材通孔徑	mm 45	52	45	52
Z-axis travel	Z軸行程	mm 500	500	500	500
X-axis travel	X軸行程	mm 185	185	185	185
Z-axis rapid traverse rate	Z軸快速位移	M/min 20	20	20	20
X-axis rapid traverse rate	X軸快速位移	M/min 20	20	20	20
Number of tool station	刀具數	T 12	12	12	12
Tool size	車刀尺寸	mm □20	□20	□20	□20
Boring tool size	擴刀尺寸	mm φ 32	φ 32	φ 32	φ 32
Tailstock travel	尾座行程	mm 500	500	500	500
Quill travel	尾軸管行程	mm 80	80	80	80
Quill diameter	尾軸管直徑	mm 70	70	70	70
Quill taper	尾軸管錐度	MT 4	4	4	4
Quill drive	尾軸管驅動方式	Hydraulic 油壓	Hydraulic 油壓	Hydraulic 油壓	Hydraulic 油壓
Tailstock positioning	尾座定位方式	Manual 手動	Manual 手動	Manual 手動	Manual 手動
Machine Dimensions(L*W*H)	外型尺寸(長*寬*高)	M 2.6*1.62*1.85	2.6*1.62*1.85	2.6*1.62*1.85	2.6*1.62*1.85

STANDARD ACCESSORIES 標準附件

- 6" or 8"hydraulic chuck
- Hard jaws(set)
- 6"(MC-6500L/MC-8500L)
- 8"(MC-6500H/MC-8500H)
- Soft jaws(set)
- 6"(MC-6500L/MC-8500L)
- 8"(MC-6500H/MC-8500H)
- Hydraulic turret
- Boring tool holder
- End facing tool holder
- Bushing(set)φ8,10,12,16,20,25 each 1pcs
- Coolant system
- Movable coolant tank
- Leveling bolts and blocks
- Automatic lubrication system
- Working lamp
- Foot switch for hyd. Chuck control
- Tool box(set)
- Operation manual
- Chip conveyor and chip cart
- Live center(MT4/MT5)
- Three-color warning lamp
- Hydraulic tailstock

OPTIONAL ACCESSORIES 選購附件

- Servo turret
- Grease lubrication system
- Parts catcher
- Automatic tool measuring device
- Oil skimmer
- Oil mist collector
- Transformer
- CE safety accessories
- Pneumatic automatic door
- Foot switch for tailstock control
- Bar feed/ Bar feeder interface
- Collect chuck
- Air blast for part
- High pressure cooling system
- Programmable quill of tailstock

- 伺服刀塔
- 油脂潤滑系統
- 工件收集器
- 自動刀量測
- 刮油機
- 油霧收集器
- 變壓器
- CE安全附件
- 氣壓自動門
- 尾座腳踏開關
- 送料機/送料機介面
- 彈性筒夾
- 工件吹氣
- 高壓冷卻裝置
- 尾座心軸可程式

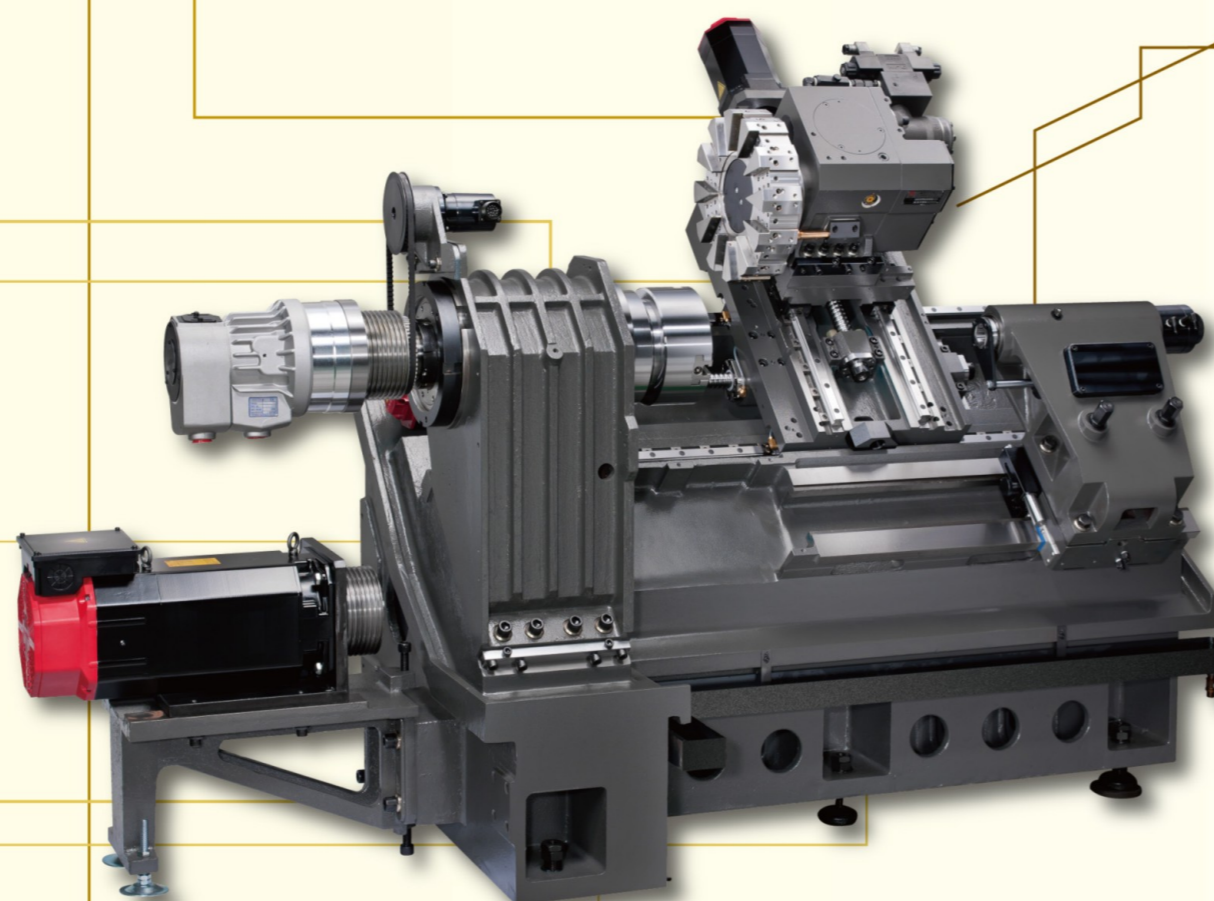
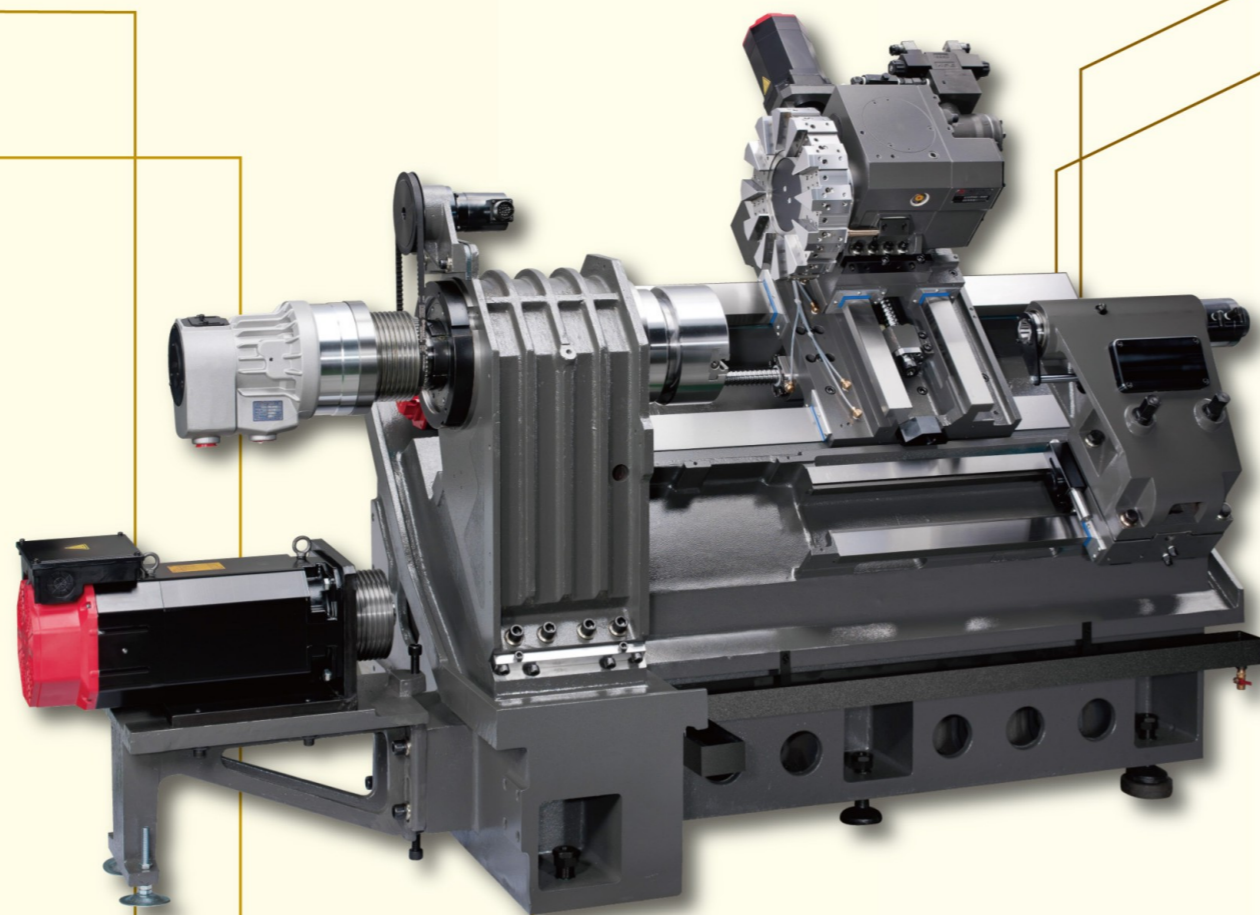
STABLE, RIGID, LIFETIME ACCURACY

All These Can Be Found on SHARPTECH CNC Lathe

穩重、高剛性、精度永恆 盡在銳科CNC車床

- 45° slant bed structure
- Ø6" or Ø8" hydraulic chuck
- 12-position hydraulic turret (standard)
- Servo turret (optional)
- 6,000 / 4,500 rpm spindle speed
- Hydraulic tailstock
- Fanuc control (standard)
- Syntec control (optional)
- Chip conveyor and chip cart (standard)

- 45°斜床式結構
- 6" 或 8" 油壓夾頭
- 12位油壓刀塔 (標準)
- 伺服刀塔 (選配)
- 主軸轉速6,000 / 4,500rpm
- 油壓尾座
- 發那科控制器 (標準)
- 新代控制器 (選配)
- 鐵屑輸入送機及集屑車 (標準)



Structure of MCH Series MCH系列機體結構

X, Z-axis Box Ways Ideal for Heavy Cutting

X, Z軸硬軌 耐重切削

45° Slant Bed 45° 斜床

The 45° slant bed structure requires less space occupation while allowing for efficient chip removal.

45° 斜床設計，占地空間小，且除屑方便。

Massive Base 穩重的底座

The base is ruggedly constructed for greater stability and rigidity, which combined with special rib reinforcement. It exhibits exceptional dynamic stability especially in heavy cutting.

底座結構穩重、高剛性，配合特殊肋骨強化，在高速切削時，展現獨特的動態穩定性。

X, Z-axis Box Ways X, Z軸硬軌

The extra wide box ways on X, Z-axis feature extra high stability. Way-surfaces are hardened, precision ground and coated with Turcite-B.

X, Z軸硬軌寬闊、穩定性高。滑道經硬化處理，精密研磨，並貼附Turcite-B耐磨片。

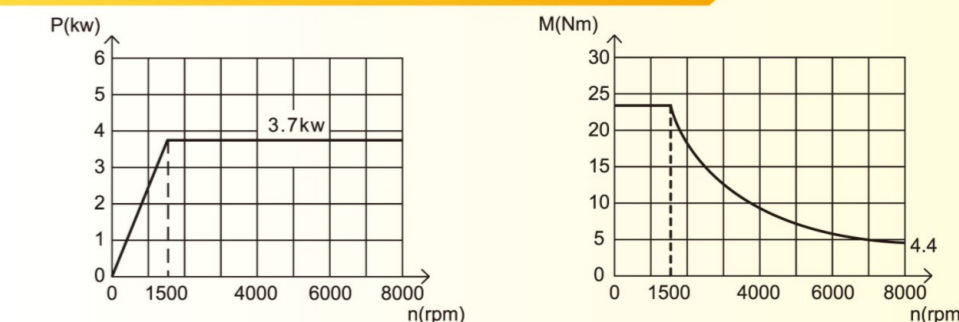
Meehanite Cast Iron 米漢納鑄鐵

All structured parts are manufactured from high quality Meehanite cast iron, tempered and stress relieved to ensure no deformation for years.

所有主結構完全採用高級米漢納鑄鐵，經回火及應力消除，以確保長久不變形。



Spindle Speed/torque Diagram 主軸轉速/扭力曲線圖



Structure of MCL Series MCL系列機體結構

X, Z-axis linear Ways Designed for High Speed Machining

X, Z軸線軌 專為高速加工而設計

45° Slant Bed 45° 斜床

The 45° slant bed structure requires less space occupation while allowing for efficient chip removal.

45° 斜床設計，占地空間小，且除屑方便。

Massive Base 穩重的底座

The base is ruggedly constructed for greater stability and rigidity, which combined with special rib reinforcement. It exhibits exceptional dynamic stability especially in heavy cutting.

底座結構穩重、高剛性，配合特殊肋骨強化，在高速切削時，展現獨特的動態穩定性。

X, Z-axis Linear Ways X, Z軸線軌

Linear ways on X, Z-axis combined with large span between ways provide high feed rate and outstanding stability.

X, Z線軌配合大跨距設計，兼具快速進給及穩定性優異特性。

Meehanite Cast Iron 米漢納鑄鐵

All structured parts are manufactured from high quality Meehanite cast iron, tempered and stress relieved to ensure no deformation for years.

所有主結構完全採用高級米漢納鑄鐵，經回火及應力消除，以確保長久不變形。

MODEL	型號		MC 4200BL
Swing over bed	床面旋徑	mm	Ø442
Swing over saddle	鞍面旋徑	mm	Ø146
Bolt size	螺桿大小	mm	Ø32
Screw lead(X-axis,Z-axis)	導程(X軸,Z軸)	mm	5
Span(X-axis rail)	跨距(X軸軌道)	mm	177
Span(Z-axis rail)	跨距(Z軸軌道)	mm	177
Max. turning diameter	最大加工直徑	mm	150
Max. turning length	最大加工長度	mm	200
Spindle nose type	主軸鼻端	ASA	A2-4
Chuck	夾頭		筒夾 YB-32型
Hole through spindle	主軸通孔徑	mm	42
Spindle speed	主軸轉速	rpm	6000
Spindle horsepower	主軸馬達	Kw(hp)	3.7(5)
Spindle horsepower Max. torsion	主軸馬達最大扭力	N-m	23
Spindle horsepower Max. turning	主軸馬大最大扭力轉速	rpm	1500
Spindle accuracy	主軸精度	mm	0.003
Bar capacity	最大棒材通孔徑	mm	33
Z-axis travel	Z軸行程	mm	220
X-axis travel	X軸行程	mm	156
Z-axis rapid traverse rate	Z軸快速位移	M/min	15
X-axis rapid traverse rate	X軸快速位移	M/min	15
Number of tool station	刀具數	T	6
Tool size	車刀尺寸	mm	□20
Boring tool size	搪刀尺寸	mm	Ø20
Machine Dimensions(L*W*H)	外型尺寸(長*寬*高)	M	2.0*1.4*2.0