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TL/ML

Superior Machining Performance 车床总体介绍

Equipped with a 7.5 kW high-power motor and machine structure, and further enhanced spindle and axis ball screw stiffness, the ML-280 Series offers excellent cutting capability up to a maximum turning diameter of $\varnothing 400$ (Disc) and $\varnothing 210$ (Axis), and with a maximum turning length of 600mm.

ML-280系列配备7.5kW大功率电机和机器结构，进一步增强了主轴和丝杠的刚性，ML-280系列车床具有卓越的切割能力，最大车削直径可达400（盘）和210（轴），最大车削长度为600毫米。



TL-36/46

HIGH SPEED SLANT BED LATHE 斜床身高速尾顶车床

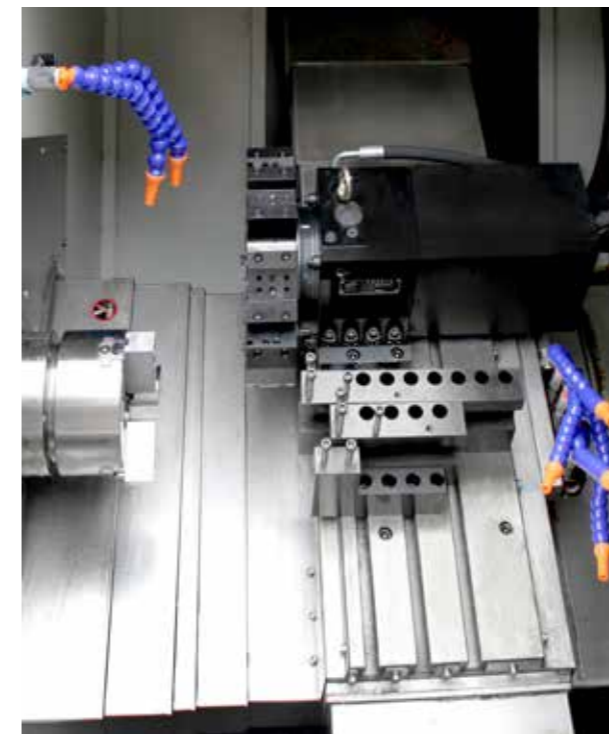


The 45° degree included work bed is designed into the TL-46 giving this high speed lathe a larger working area and the capability of installing more tools and at the same time turn larger work pieces. TL-46采用45°度斜背工作台设计，为高速车床提供了更大的工作区域，并能够安装更多工具，同时可以更大的工件。

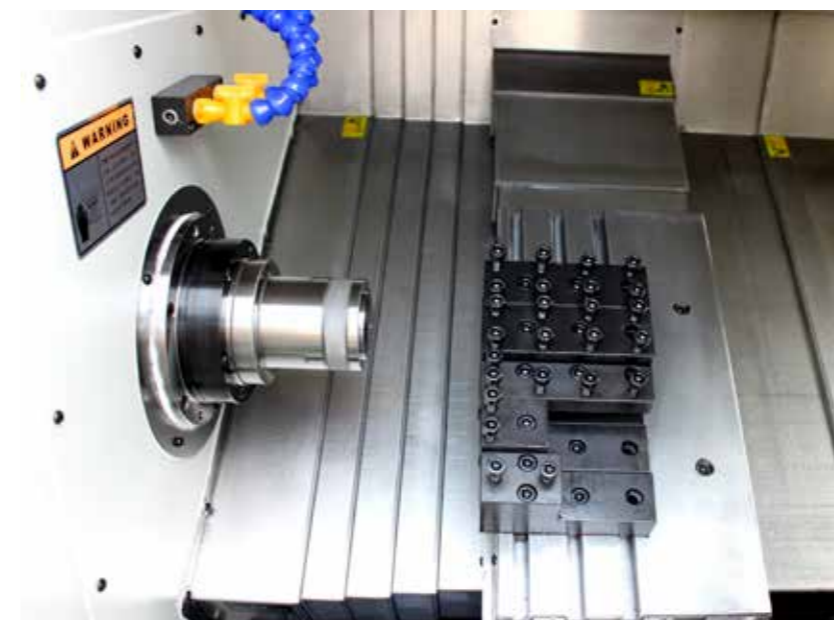
The TL-46 is designed to fit every customer operational needs. Controllers such as Fanuc, Mitsubishi, and other types of NC controller can be equipped to meet each customer needs. TL-46旨在满足每个客户的运营需求。可以配备发那科、三菱等控制器和其他品牌的控制器，为每个客户提供熟悉操作的界面。



可选配置满足不同加工需要



三爪捕捉器 动力刀塔



TL-46 is equipped with a high-speed hydraulic collet chuck to reduce the production time needed for each part. This gives the machine a higher output rate compare to most standard lathes on the market.

所有的TL-46配有高速液压弹簧夹头，可大大减少每个零件所需的生产时间。与市场上大多数标准车床相比，这使大金的TL-46车床具有更高的输出率。

ML-280

HIGH SPEED SLANT BED LATHE WITH 8 POSITION
SERVO HYDRAULIC TURRET

斜床身高速八工位伺服液压刀塔尾顶车床



Superior Machining Performance 卓越加工性能

Equipped with a 7.5 kW high-power motor and machine structure, and further enhanced spindle and axis ball screw stiffness, the ML-280 Series offers excellent cutting capability up to a maximum turning diameter of Ø400 (Disc) and Ø210 (Axis), and with a maximum turning length of 600mm.

ML-280系列配备7.5kW大功率电机和机器结构，进一步增强了主轴和丝杠的刚性，ML-280系列车床具有卓越的切割能力，最大车削直径可达400（盘）和210（轴），最大车削长度为600毫米。



High Reliability 高可靠性

The ML-Series' excellent reliability is based on the adoption of a wider support structure, more stable bed, lower vibration and lower noise spindle, servo-driven turret, and a full enclosed cover for preventing coolant leaks and chips from penetrating the machine while the operator is working on the work piece. Using high quality C3 roller type linear guideway with NSK bearings ensuring the stability and performance of the machine.

ML系列卓越的可靠性基于采用更宽的支撑结构、更稳定的床身、更低振动与噪音的主轴、伺服驱动的刀塔和全封闭的钣金，以防止冷却剂泄漏和铁屑在操作员工作时飞溅出来。ML系列采用高品质的C3等级滚柱式直线导轨和NSK轴承，确保机器的稳定性和性能。

Improved User Convenience 提高用户便利性

The CNC programmable tailstock with our standard hydraulic tailstock enable the user to operate peripheral devices quickly and conveniently. This helps reduce the time it takes to setup each work piece manually, creating higher production profitability.

可编程数控尾座搭配上我们的标准液压尾座，能使用户能够快速方便地操作外围设备。这有助于减少手工设置每个工件所需的时间，从而创造更高的生产效率以及产品利润。

Maximum customize flexibility 最大的定制灵活性

More and more customers are asking for solutions that can help increase productive and reduce cost. The Takam ML-Series is answer to both those demands. With customizable solutions for parts catchers, part feeder, and robotic arms. The machine can operate automatically with very little stop time giving the machine a higher output rate then other machines on the market.

越来越多的客户要求能够帮助提高生产效率和降低成本的解决方案。台湾大金-ML系列是这两种需求的答案。提供可定制的零件捕捉器、零件喂料器和机械臂解决方案。这台机器可以自动运转，停机时间很短，使机器比市场上的其他机器有更高的生产率。



技术参数 TECHNICAL PARAMETERS

	TL-36	TL-46
X / Z轴行程 (mm) X / Z Travel	650/260	950/310
床台旋径 (mm) Swing Over Bed	φ 400	φ 400
往复台上旋径 (mm) Swing Over Size	φ 120	φ 120
最大加工直径 (盘类) (mm) Max Turning Diameter(disc)	—	—
最大加工直径 (轴类) (mm) Max Turning Diameter(axis)	φ 35	φ 42
最大加工长度 (mm) Max Turning Length	180	200
两心间距 (mm) Distance Between Centers	—	—
油压夹头尺寸 (in) Power Chuck Size	—	—
最大棒材通孔直径 (mm) Max. Diameter Of Bar Bore	φ 35	φ 45
主轴贯通孔直径 (mm) Diameter Of Spindle Bore	φ 45	φ 56
主轴头形式 (ASA) Spindle Head Type	A2-4	A2-5
主轴转速 (rpm) Spindle RPM	5000	5000
主轴马力 (kw) Spindle Motor	5.5	5.5
主轴精度 (mm) Spindle Accuracy	0.004	0.004
X / Z轴快速位移 (m/min) X / Z axis Rapid Traverse	24/24	30/30
X、Z轴电机功率 (kw) X / Z axis Servo Motor	1.5/1.5	1.5/1.5
刀具数 (units) Number of tools	排刀/6 (Gang type tool plate)	排刀/8 (Gang type tool plate)
定位精度± (mm) Position Accuracy	0.005	0.005
重复定位精度± (mm) Repeatability	0.005	0.005
车刀尺寸 (mm) Turning Tool Size	20X20	20X20
镗刀尺寸 (mm) Boring Tool Size	φ 20	φ 20
机床重量 (KG) Machine Weight (Little)	1700	2000
机床尺寸 (mm) Machine Size	2000X1200X1900	2100X1380X1930

标配 (Standard)

- 筒夹夹头
- 脚踏开关
- 工作灯、警示灯
- 工具及工具箱
- Collet chuck
- Foot switch
- Working lamp and alarm
- Tools and tool box
- 主轴上方吹气
- Spindle air blow

选配 (Option)

- 铁屑输送机及铁屑车
- 成品收料器
- 成品输送带
- 六英寸三爪油压夹头
- Chip conveyor with bucket
- Parts catcher
- Parts Conveyor
- 6" 3 jaw hydraulic hollow chuck
- 油压刀塔
- 油水分离机
- 送料机界面
- 伺服刀塔
- Hydraulic turret
- Water oil separator
- Bar feeder interface
- Servo turret

技术参数 TECHNICAL PARAMETERS

	ML-280	ML-280E
X / Z轴行程 (mm) X / Z Travel	210/400	210/600
床台旋径 (mm) Swing Over Bed	φ 470	φ 470
往复台上旋径 (mm) Swing Over Size	φ 280	φ 280
最大加工直径 (盘类) (mm) Max Turning Diameter(disc)	φ 400	φ 400
最大加工直径 (轴类) (mm) Max Turning Diameter(axis)	φ 210	φ 210
最大加工长度 (mm) Max Turning Length	400	600
两心间距 (mm) Distance Between Centers	500	700
油压夹头尺寸 (in) Power Chuck Size	8"	8"
最大棒材通孔直径 (mm) Max. Diameter Of Bar Bore	φ 52	φ 52
主轴贯通孔直径 (mm) Diameter Of Spindle Bore	φ 62	φ 62
主轴头形式 (ASA) Spindle Head Type	A2-6	A2-6
主轴转速 (rpm) Spindle RPM	4000	4000
主轴马力 (kw) Spindle Motor	11	11
主轴精度 (mm) Spindle Accuracy	0.003	0.003
X / Z轴快速位移 (m/min) X / Z axis Rapid Traverse	24/24	24/24
X、Z轴电机功率 (kw) X / Z axis Servo Motor	1.8/1.8	1.8/1.8
刀具数 (units) Number of tools	8	8
定位精度± (mm) Position Accuracy	0.005	0.005
重复定位精度± (mm) Repeatability	0.003	0.003
车刀尺寸 (mm) Turning Tool Size	25X25	25X25
镗刀尺寸 (mm) Boring Tool Size	φ 40	φ 40
尾座行程 (mm) Tailstock Travel	400	600
顶心行程 (mm) Quill Travel	120	120
顶心直径 (mm) Quill Diameter	φ 75	φ 75
顶心锥度 (MT) Quill Taper	MT4	MT4
顶心驱动方式 Quill Activation	油压 (Hydraulic)	油压 (Hydraulic)
机床重量 (KG) Machine Weight (Little)	3500	3700
机床尺寸 (mm) Machine Size	3500X1720X1870	3700X1600X1870

标配 (Standard)

- 八英寸三爪油压夹头
- 油压刀塔
- 脚踏开关
- 工作灯、警示灯
- 8" 3 jaw hydraulic hollow chuck
- Hydraulic turret
- Foot switch
- Working lamp and alarm
- 工具及工具箱
- 可程式尾座
- Tools and tool box
- Programmable tailstock

选配 (Option)

- 铁屑输送机及铁屑车
- 刀具测量
- 十英寸三爪油压夹头
- 十二英寸三爪油压夹头
- Chip conveyor with bucket
- Tool pre-setter
- 10" 3 jaw hydraulic hollow chuck
- 12" 3 jaw hydraulic hollow chuck
- 伺服刀塔
- 动力刀塔
- 油水分离机
- Servo turret
- Power turret
- Water oil separator