

**miUmac**  
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DF1840-E



**CNC TURNING LATHE**

Z H E J I A N G   K A I D A   M A C H I N E   T O O L   C O . ,   L T D

**Zhejiang Kaida Machine Tool Co., Ltd**



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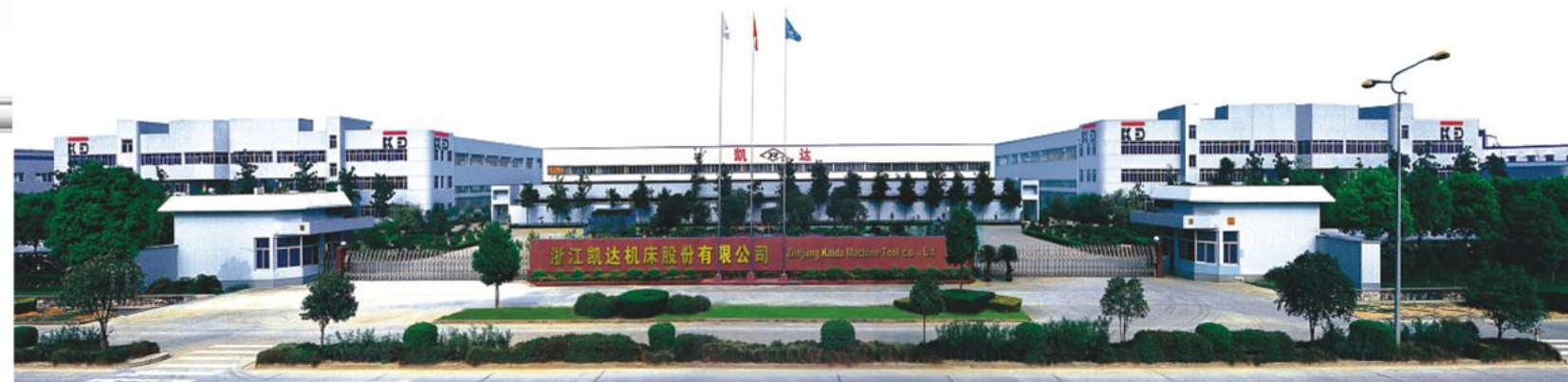
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◆ Technical specification:

Items	DF1630-S	DF1640-S
Max. swing dia. over bed	Φ400 mm	
Max. cutting dia. for disc parts	Φ400 mm	
Max. cutting dia. for axle parts	Φ225 mm	
Max. workpiece length	750 mm	1000 mm
Max. turning length	700 mm	950mm
Spindle bore	Φ52 mm	
Spindle nose	C6	
Taper of spindle	MT No.6	
Steps of spindle speed	Stepless	
Range of spindle speed	200-2800rpm	
Rapid feed of Z-axis	10m/min	
Rapid feed of X-axis	8m/min	
Max. travel of Z-axis	740mm	990mm
Max. travel of X-axis	235mm	
Tool post stations	4	
Tool cross section	20x20mm	
External dia.	Φ60 mm	
Taper of tailstock sleeve	MT No.4	
Max. travel of tailstock sleeve	120mm	
Power of main motor	3.7kW	
Power of cooling pump motor	75W	
Net weight	1800kg	2000kg

Items	DF1830-E	DF1840-E	DF-1860-E
Max. swing dia. over bed	Φ460 mm		
Max. cutting dia. for disc parts	Φ460 mm		
Max. cutting dia. for axle parts	Φ240 mm		
Max. workpiece length	750 mm	1000 mm	1500 mm
Max. turning length	600 mm	850mm	1350mm
Spindle bore	Φ80 mm		
Spindle nose	D8		
Taper of spindle	MT No.7		
Steps of spindle speed	Stepless		
Range of spindle speed	100-2000rpm		
Rapid feed of Z-axis	10m/min		
Rapid feed of X-axis	8m/min		
Max. travel of Z-axis	710mm	960mm	1460mm
Max. travel of X-axis	280mm		
Tool post stations	4		
Tool cross section	25x25mm		
External dia.	Φ75 mm		
Taper of tailstock sleeve	MT No.5		
Max. travel of tailstock sleeve	130mm		
Power of main motor	5.5kW		
Power of cooling pump motor	75W		
Net weight	2200kg	2350kg	2900kg

Standard accessories	Optional accessories
<ul style="list-style-type: none"> <li>- FANUC 0i TF(5) control system</li> <li>- FANUC servo motor for X and Z axis</li> <li>- Frequency spindle motor</li> <li>- 4-way electrical tool post</li> <li>- 3-jaw manual chuck</li> <li>- Manual tailstock</li> <li>- SIEMENS/SCHNEIDER main electric elements</li> <li>- Heat exchanger for electrical cabinet</li> </ul>	<ul style="list-style-type: none"> <li>- SIEMENS control system</li> <li>- Closed or open hydraulic chuck</li> <li>- Hydraulic tailstock</li> <li>- 6-station tool turret</li> <li>- 8-station tool turret</li> <li>- Steady rest</li> <li>- Follow rest</li> </ul>

The detailed technical specification and overall dimensions are confirmed when contracting order. The descriptions, illustrations and specifications given herein are subject to alteration without notice and thus without any obligation.

◆ Technical parameters:

Items	DF2230-C	DF2240-C
Max. swing dia. over bed	Φ560 mm	
Max. cutting dia. for disc parts	Φ560 mm	
Max. cutting dia. for axle parts	Φ330 mm	
Max. workpiece length	750 mm	1000 mm
Max. turning length	650 mm	900mm
Spindle bore	Φ80 mm	
Spindle nose	A2-8	
Taper of spindle	MT No.7	
Steps of spindle speed	4 ranges	
Range of spindle speed	27-135, 55-270,160-805, 325-1630rpm	
Rapid feed of Z-axis	10m/min	
Rapid feed of X-axis	8m/min	
Max. travel of Z-axis	720mm	970mm
Max. travel of X-axis	320mm	
Tool post stations	4	
Tool cross section	32x32mm	
External dia.	Φ75 mm	
Taper of tailstock sleeve	MT No.5	
Max. travel of tailstock sleeve	150mm	
Power of main motor	7.5kW	
Power of cooling pump motor	90W	
Net weight	2700kg	3000kg

Items	DF2660-C	DF2680-C	DF26120-C
Max. swing dia. over bed	Φ660 mm		
Max. cutting dia. for disc parts	Φ660 mm		
Max. cutting dia. for axle parts	Φ430 mm		
Max. workpiece length	1500 mm	2000mm	3000mm
Max. turning length	1400mm	1900mm	2900mm
Spindle bore	Φ105 mm		
Spindle nose	D8		
Taper of spindle	Metric Φ113 1:20		
Steps of spindle speed	4 ranges		
Range of spindle speed	27-135, 55-270,160-805, 325-1630rpm		
Rapid feed of Z-axis	10m/min		
Rapid feed of X-axis	8m/min		
Max. travel of Z-axis	1470mm	1970mm	2970mm
Max. travel of X-axis	365mm		
Tool post stations	4		
Tool cross section	32x32mm		
External dia.	Φ75 mm		
Taper of tailstock sleeve	MT No.5		
Max. travel of tailstock sleeve	150mm		
Power of main motor	11kW		
Power of cooling pump motor	90W		
Net weight	3700kg	4300kg	5300kg

Standard accessories	Optional accessories
<ul style="list-style-type: none"> <li>- FANUC 0i TF(5) control system</li> <li>- FANUC servo motor for X and Z axis</li> <li>- Frequency spindle motor</li> <li>- 4-way electrical tool post</li> <li>- 3-jaw manual chuck</li> <li>- Manual tailstock</li> <li>- SIEMENS/SCHNEIDER main electric elements</li> <li>- Heat exchanger for electrical cabinet</li> </ul>	<ul style="list-style-type: none"> <li>- SIEMENS control system</li> <li>- Closed or open hydraulic chuck</li> <li>- Hydraulic tailstock</li> <li>- 6-station tool turret</li> <li>- 8-station tool turret</li> <li>- Steady rest</li> <li>- Follow rest</li> </ul>



## ◆ Bed:

Adopting high-strength high-quality cast iron made by resin sand process and aging treatments. Good stability, rigidity structure and precision.

## ◆ Spindle:

- a. Adopting high-precision rolling bearing lubricated with grease.
- b. Spindle and main motor driven through wide-angle belt.

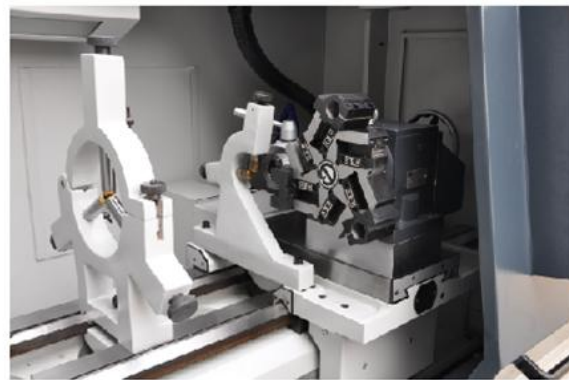
## ◆ Tailstock:

Heavy duty type tailstock is fitted on the guide way of bed. The heavy casting, large diameter quill and precision morse taper center provide outstanding rigidity.



## ◆ Steady rest, follow rest:

Manual steady rest, follow rest and hydraulic steady are optional.



## ◆ Tool post:

- a. Adopting 4-station electric tool post. 6-station, 8-station turret or gang tool post is optional.
- b. The optional turret features a robust casting and large coupling face. The extra rigidity results in higher metal removal rates, extended tool life, super finishes, and ensures long term accuracy.



## ◆ Chuck:

Open or Closed hydraulic chuck is optional.



## ◆ System:

The standard configuration is FANUC system, and SIMENS, FAGOR, MITSUBISHI, GSK are optional. FANUC 0i TF(5) control system: a powerful CNC, specifically designed for the most demanding machine tool applications. Its calculation capacity and high speed ensure maximum power and increased programming flexibility.

Siemens 828D control system: ease of control and practical design are major aspects of this machine. Manual operation via 2 electronic hand-wheels, ideal for single part construction or repair work. An intuitive, easy to learn control system with extensive cycle options and a Profile Editor utility for easy programming. Ideal for batch and single part production of complex workpieces.



## Features:

- High quality castings
- Centralized lubrication
- Precision ballscrews and highly rigid precision
- Bearings ensure accurate positioning and heavy cutting capability
- Full enclosure with safety switch and door interlock
- Wide machining room and easy chip removing
- Moveable control panel is convenient for operation and allows easy access
- Fully closed guards

## ◆ Bar feeder:

Automatic bar feeder is optional.



## ◆ Electrical cabinet:

- a. The main electrical components apply from SIMENS or SCHNEIDER.
- b. Full sealed electrical cabinet.
- c. Air conditioner to ensure all the electrical components and drives working at a reasonable temperature.

