

**ALL ENVIRONMENTAL
ENGINEERING
EQUIPMENT SOLUTION
SERVICE PROVIDER**



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DRUM CUTTER SERIES

YICHEN
EXCAVATOR
ACCESSORY TOOLS
SERIES
BROCHURE

YF SERIES

USE GEAR BOX TRANSMISSION

YD SERIES

DIRECT OUTPUT BY HYDRAULIC MOTOR



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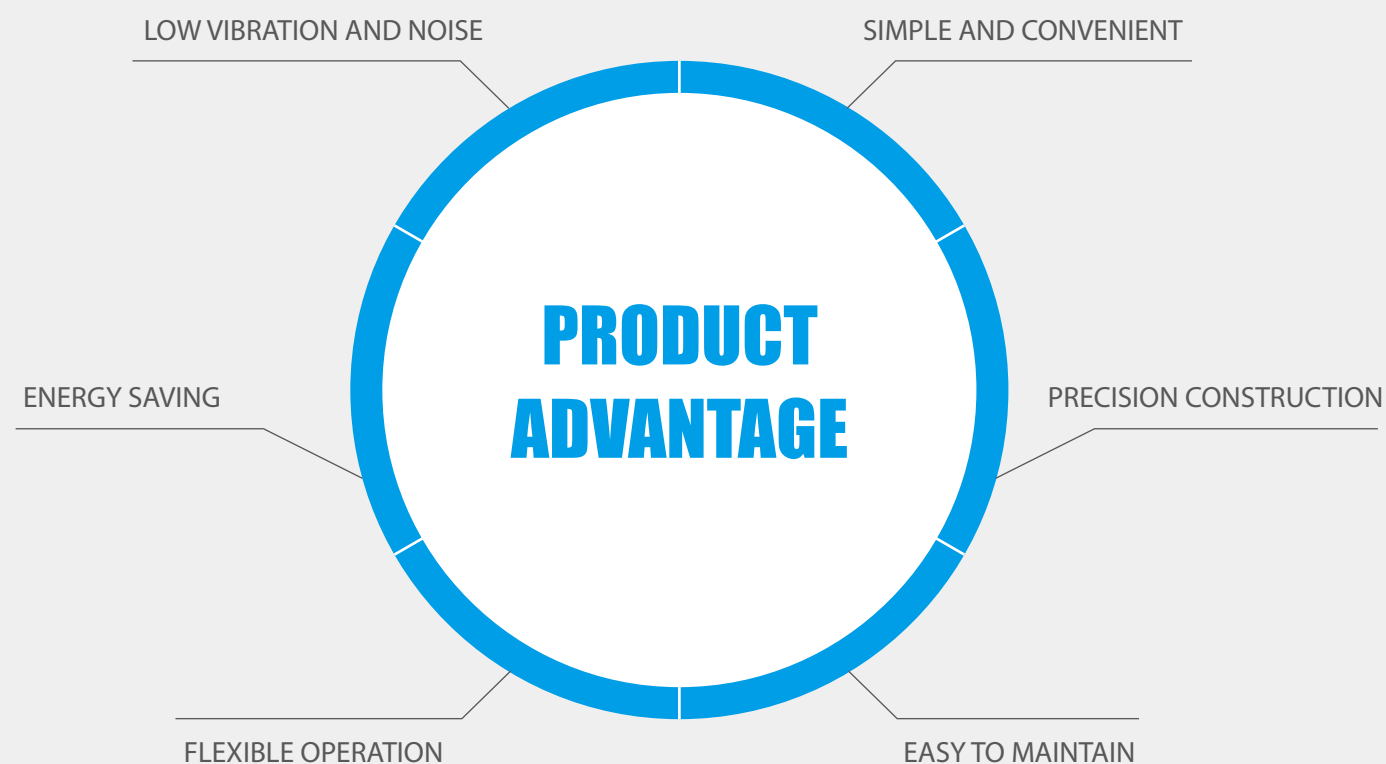
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PRODUCT INTRODUCTION

Yichen milling machine is a kind of equipment suitable for a wide range of engineering and precise construction. It is produced by the world's leading hydraulic technology and can be loaded on excavators, loaders and tunneling machines.

On the machine, the internal hydraulic motor drives the knife drum to rotate. The knife teeth on the knife drum collide with the construction surface and cut through the soil and rocks like sharp claws.

General equipment such as hammers and hydraulic shears provide a new and economical construction method for tunnel excavation.



- ▶ The structure is simple, easy to use, and can be installed on any hydraulic excavator with oil.
- ▶ Low vibration, low noise, can effectively replace blasting construction in areas with vibration or noise restrictions, and can well protect the environment.
- ▶ Precise control of construction can quickly and accurately trim the contour of the structure.
- ▶ The milled material has a small and uniform particle size and can be directly used as backfill.
- ▶ The working angle can realize the 360° rotation of the drum.
- ▶ The maintenance is convenient, no grease and nitrogen filling are required, and there are no special requirements for the maintenance of the excavator.

PRODUCT FEATURES

TUNNELS AND ROADWAYS: excavation and treatment of walls, roofs, corners, contours, trenches, etc.;

ROAD ENGINEERING: cutting or excavation of concrete structures, side trenches, slopes and auxiliary facilities, cleaning of damaged cement or asphalt pavements, etc.;

WATER CONSERVANCY PROJECT: concrete structure treatment, riverbed cleaning, cleaning or dismantling of damaged structures, etc.;

MUNICIPAL ENGINEERING: excavation or treatment of pipeline trenches, foundations, structures, cleaning or dismantling of damaged municipal facilities, etc.;

OPEN-PIT COAL MINING: excavation and mining of coal mines and mines, etc.



Tunneling



Utility Work



Roadworks



Mining



Excavation



Structure Shaping



HORIZONTAL DRUM CUTTER

USE GEAR BOX TRANSMISSION

APPEARANCE VIEW



DESCRIBE

The horizontal milling machine is a horizontal direct output structure, Mount the motor directly on the rotating part,Reduce the gear transmission links,No modification is required.Has great power, Simple installation and other features.

MODEL

YF- 05RW
YF- 10RW
YF- 15RW
YF- 20RW
YF- 30RW
YF- 40RW

ACCESSORIES



Cutter bit
(SERIAL NUMBER YF-01)

YF - 05RW

EXCAVATOR 2.5-6 ton

PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|----------|--------------------|----------------|
| Max Power Output | 22 kW | Output Torque | 1875 Nm@320bar |
| Max Production Rate | 65 LPM | Output Shaft Speed | 100 RPM@40LPM |
| Recommended Production Rate | 40 LPM | Weight | 215 kgs |
| Pressure | ≤400 bar | Cutter Bit | 56 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated.
Please contact YICHEN for further information.



YF - 10RW

EXCAVATOR 8-16 ton

PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|----------|--------------------|----------------|
| Max Power Output | 45 kW | Output Torque | 3570 Nm@320bar |
| Max Production Rate | 112 LPM | Output Shaft Speed | 100 RPM@40LPM |
| Recommended Production Rate | 80 LPM | Weight | 275 kgs |
| Pressure | ≤400 bar | Cutter Bit | 56 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated.
Please contact YICHEN for further information.



YF - 15RW

EXCAVATOR 12-18 ton

PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|----------|--------------------|----------------|
| Max Power Output | 70 kW | Output Torque | 6320 Nm@320bar |
| Max Production Rate | 132 LPM | Output Shaft Speed | 95 RPM@40LPM |
| Recommended Production Rate | 120 LPM | Weight | 595 kgs |
| Pressure | ≤400 bar | Cutter Bit | 64 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated.
Please contact YICHEN for further information.



YF - 20RW

EXCAVATOR 18-30 ton



PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|-------------|--------------------|-----------------|
| Max Power Output | 90 kW | Output Torque | 17840 Nm@320bar |
| Max Production Rate | 320 LPM | Output Shaft Speed | 78 RPM@40LPM |
| Recommended Production Rate | 200-320 LPM | Weight | 1370 kgs |
| Pressure | ≤450 bar | Cutter Bit | 80 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated.
Please contact YICHEN for further information.

YF - 30RW

EXCAVATOR 25-40 ton



PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|----------|--------------------|-----------------|
| Max Power Output | 110 kW | Output Torque | 21376 Nm@320bar |
| Max Production Rate | 460 LPM | Output Shaft Speed | 76 RPM@40LPM |
| Recommended Production Rate | 320 LPM | Weight | 1400 kgs |
| Pressure | ≤450 bar | Cutter Bit | 60 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated.
Please contact YICHEN for further information.

YF - 40RW

EXCAVATOR 45-60 ton



PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|----------|--------------------|-----------------|
| Max Power Output | 140 kW | Output Torque | 33450 Nm@320bar |
| Max Production Rate | 550 LPM | Output Shaft Speed | 75 RPM@40LPM |
| Recommended Production Rate | 450 LPM | Weight | 2100 kgs |
| Pressure | ≤450 bar | Cutter Bit | 64 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated.
Please contact YICHEN for further information.

VERTICAL DRUM CUTTER

DIRECT OUTPUT BY HYDRAULIC MOTOR

APPEARANCE VIEW



DESCRIBE

纵向铣挖机（掘进头）为横向
正比齿轮输出，
将马达安装在后部，
通过齿轮传动。
具备不易漏油，
维修简单等特点。

MODEL

YD- 05RD
YD- 10RD
YD- 15RD

ACCESSORIES



Cutter bit
(SERIAL NUMBER YF-01)



YD - 05RD

EXCAVATOR 2.5-6 ton

PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|-----------|--------------------|----------------|
| Max Power Output | 25 kW | Output Torque | 2200 Nm@320bar |
| Max Production Rate | 85 LPM | Output Shaft Speed | 95 RPM@40LPM |
| Recommended Production Rate | 40-70 LPM | Weight | 210 kgs |
| Pressure | ≤205 bar | Cutter Bit | 28 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated. Please contact YICHEN for further information.



YD - 10RD

EXCAVATOR 8-15 ton

PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|-------------|--------------------|----------------|
| Max Power Output | 50 kW | Output Torque | 6500 Nm@320bar |
| Max Production Rate | 150 LPM | Output Shaft Speed | 95 RPM@40LPM |
| Recommended Production Rate | 100-150 LPM | Weight | 450 kgs |
| Pressure | ≤270 bar | Cutter Bit | 32 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated. Please contact YICHEN for further information.



YD - 20RD

EXCAVATOR 18-30 ton

PRODUCT PARAMETER (SPECIFICATION)

| | | | |
|-----------------------------|-------------|--------------------|-----------------|
| Max Power Output | 95 kW | Output Torque | 14500 Nm@320bar |
| Max Production Rate | 250 LPM | Output Shaft Speed | 95 RPM@40LPM |
| Recommended Production Rate | 120-220 LPM | Weight | 950 kgs |
| Pressure | ≤320 bar | Cutter Bit | 48 pcs |

Note: If oil specification is below 46 centistokes at 40 °C (ISO HV46) the performance must be down rated. Please contact YICHEN for further information.

COOPERATION PROJECT 合作项目

Milling tunnel in Guangxi



Chengde, Hebei-Mine Excavation



Inner Mongolia. Coal mine rock milling and excavation



Inner Mongolia Mountain Milling



合作项目 COOPERATION PROJECT

Milling and excavation of Hutubi tunnel



Milling and digging of Hunan wine cellar hole



Xi'an Tunnel Grooving



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ASSURANCE
QUALITY