



**Economical
Portable Line Boring Machine**

Economical Portable Line Boring Machine

Kertz is excited to introduce its economical line boring machines, designed to support boring diameters ranging from 50 mm to 1300 mm, all while delivering the precision and speed typically seen in stationary machines. The machines come equipped with specially designed mounting brackets, spherical bearings, self-centering setup cones, and adjustable rotational drive and feed units, making setup easier and enabling operation in tight spaces where traditional line boring machines may struggle. All models include robust rotational drive and axial feed systems, precision bars, durable bearings, and an electric power source.



Motor

The servo motor offers strong, durable quality and reliable performance in demanding conditions. It delivers consistent torque and speed, making it ideal for precision machining. Its energy efficiency reduces operational costs, while robust construction ensures longevity and minimal maintenance. This makes the Kertz Line Boring Machine a great choice for professionals seeking efficiency and reliability in their operations.

Gearbox System

Integrated rotation drive unit and auto feed unit together creatively, more portable, Main motor output speed 125r/min, easily achieve the forward and reverse exchange.

Easy Set Up

Equipped 4 legs mount kit, which can be adjusted to different angle, to meet different holes.

Optional Accessories

- Optional one smaller boring bar to achieve boring diameter Ø18mm.
- Longer or larger diameter bars can be provided for special applications upon request.

Application

This machine with powerful machining capacity which widely service for many fields, repairing holes in heavy construction equipment, such as cranes, excavators, bulldozers, tractors, backholes etc.

KLBM-E50

KLBM-E60

Name	KLBM-E50 Portable Boring Machine	KLBM-E60 Horizontal Line Boring Machine
Model	KLBM-E50	KLBM-E60
Max Bore Diameter (mm)	250	500
Min Bore Diameter (mm)	55	65
Feed Stroke Mm (Standard)	300 (support customization)	450 (support customized)
Boring Bar Mm(Standard)	50*1500 (support customized)	60*2000 (support customized)
Boring Bar Speed (Rpm)	0-180	0-80
Motor Power (Kw)	01.05	2,3
Motor Type	Servo Motor	Servo motor
Feed Rate (mm)	0-3mm (stepless speed regulation)	0-3mm (stepless speed regulation)
End Face Device Feed	0.1/0.15	0.1/0.15
Depth Of Cut On One Side (mm)	3mm	≤6mm
Roughness	Ra3.2	Ra3.2
Roundness (mm)	≤0.02mm	≤0.02mm
Operation Method	automatic / manual	automatic / manual
Host Weight (kg)	50	45
Package	Fumigation disinfection plywood packing box	Fumigation disinfection plywood packing box

The Package

KLBM-E50

Item	Weight	Packaging size	Sales packaging
The Main Chasis	80 kg	63*40*51cm	Fumigation disinfection plywood
Boring Bar Box	20 kg	8*9*157cm	Fumigation disinfection plywood

- Packing box: 2 (1 host, 1 boring bar)
- Locating taper: 40 mm bore, 4 pieces.
- Self-aligning support frame: 1 set (2 front and rear).
- Tool holder: 1 set (1 piece of machining aperture 90-130mm, 1 piece of 130-180mm)
- Knives: 4 (2 for W1, 2 for high-speed steel). Allen key: 1 set.
- 10" adjustable wrench: 1.
- Top wire: 4 pieces of M8*10mm, 4 pieces of M8*25mm. Coupling bolt: 8 piece M10*65mm.
- Machine information: 1 set (instruction manual and certificate)

KLBM-E60

Item	Weight	Packaging size	Sales packaging
The Main Chasis	20 kg	100*40*40cm	Fumigation disinfection plywood
Boring Bar Box	73 kg	8*8*205	Fumigation disinfection plywood
Electric Control Box	27 kg	54*44*30cm	Fumigation disinfection plywood

- Packing box: 2 (1 host, 1 boring bar, 1 Electric Control Box)
- Locating taper: 40 mm bore, 4 pieces.
- Self-aligning support frame: 1 set (2 front and rear).
- Tool holder: 1 set (1 piece of machining aperture 90-130mm, 1 piece of 130-180mm)
- Knives: 4 (2 for W1, 2 for high-speed steel). Allen key: 1 set.
- 10" adjustable wrench: 1.
- Top wire: 4 pieces of M8*10mm, 4 pieces of M8*25mm. Coupling bolt: 8 piece M10*65mm.
- Machine information: 1 set (instruction manual and certificate)

Big Size Capacity line Boring KLBM-H90

The **Kertz KLBM-H90** line boring has strong working capacity from $\varnothing 95\text{mm}$ to 700mm , bar length can be reach to 8000mm , now, it is adopted by many mining machinery manufacturers for the workshop production of large steel structure...

Compact and Modular Design

The rotational drive unit and feed unit can be mounted anywhere along the boring bar, enhancing portability. It features a stepless speed regulation range from 0 to 0.5mm , allowing for easy forward and reverse operation.

Boring Bar

Constructed from high-quality alloy structural steel, this high-strength boring bar can reach lengths of up to 8 meters.

Mounting Kit

Choose from four types of mounting kits: double arms, three arms, ID mounting, and adjustable ID mounting.

Drive Power Unit

There are two types of power units available: servo and hydraulic, with the hydraulic power unit capable of reaching a torque of 1420N.M .

Superior Scalability

- Optional taper boring attachments to facilitate the processing of various taper holes, including 1:12 and 1:20.
- Two sizes of facing heads are available for effective facing machining.

KLBM-H90

Boring Diameter	95 – 700mm
Boring Stroke	600mm、900mm
Feed Rate	0–0.5mm/rev
Bar R.P.M	0–45(standard)
Bar Dia	90mm
Bar Length	2000/2500/3000/3500/4000/5000/6000mm(standard)
Drive Power Unit	
Hydraulic	25HP (standard)
Servo	5HP (optional)
Facing Head (1)	120–450mm
Facing Head (2)	250–850mm
Mounting Kit	Double arm、Three arm、ID mounting



Big Size Capacity line Boring KLBM-H110

The Kertz KLBM-H110 line boring machine boasts impressive working capabilities ranging from $\varnothing 220\text{mm}$ to 900mm , with a bar length that can extend up to 8000mm . It is now widely utilized by numerous mining machinery manufacturers for the workshop production of large steel structures.



Compact and Modular Design

The rotational drive unit and feed unit can be mounted anywhere along the boring bar, enhancing portability. It features a stepless speed regulation range from 0 to 0.5mm , allowing for easy forward and reverse operation.

Boring Bar

Constructed from high-quality alloy structural steel, this high-strength boring bar can reach lengths of up to 8 meters.

Mounting Kit

Choose from four types of mounting kits: double arms, three arms, ID mounting, and adjustable ID mounting.

Drive Power Unit

There are two types of power units available: servo and hydraulic, with the hydraulic power unit capable of reaching a torque of 1420N.M .

Superior Scalability

- Optional taper boring attachments to facilitate the processing of various taper holes, including 1:12 and 1:20.
- Two sizes of facing heads are available for effective facing machining.

KLBM-H110

Boring Diameter	220-900
Boring Stroke	Length of Bar
Feed Rate	0-0.5mm/rev
Bar R.P.M	0-30 rpm
Bar Dia	110mm
Bar Length	2000/2500/3000/3500/4000/5000/6000mm(standard)
Drive Power Unit	
Hydraulic	25HP (standard)

