



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

Horizontal Double Disc Grinding Machine

--HDG Series



Overview

Workpiece goes through upper and lower grinding wheels, and is ground on two parallel planes simultaneously--it is for full automatic system.

Without electromagnetic chuck, thin workpiece can avoid deformation.

KSHS equipment has high precision, high efficiency, high rigidity, high stability, and are full automatic.

Equipment structure

※ Spindle designed for high load and thermal displacement

- The grinding wheel spindle and grinding wheel flange are made into a whole by forging technology.
- Ultra-precision angular contact bearings and double row roller bearings are used for positive and negative pre-loading assembly, to withstand grinding resistance.
- Stable machining accuracy and long service life can be guaranteed.



北京凯硕恒盛科技有限公司

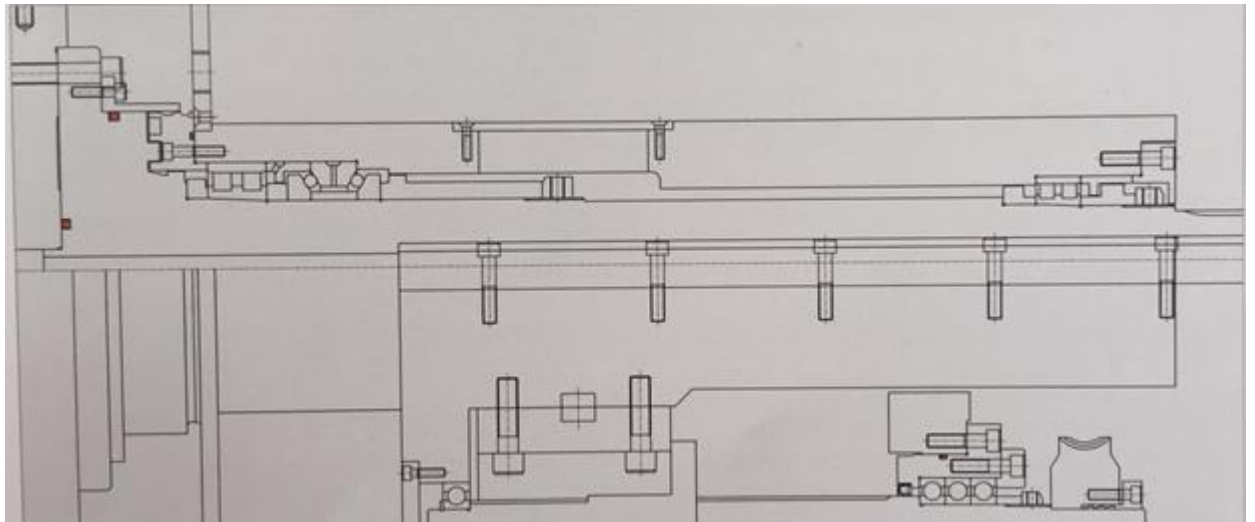
Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com



※ Guide rail withstand heavy grinding torque load

- The wear-resistant guide rail installed in the middle of grinding wheel spindle can ensure a stable machining accuracy and bear the torque load generated by heavy load grinding.
- Ultra precision ball screw provides precision feeding at micron level.

※ Simple touch screen control

Convenient for setting up various processing conditions, origin reset, feeding positive and negative adjustments, and control correction positions. It is suitable for grinding under various processing conditions.





北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

※ Simple grinding wheel angle adjustments

To improve the machining accuracy of grinder, the most important thing is simple and accurate micro control of grinding wheel angle.

Two way fine-tuning and origin reset of HDG Series is easy and accurate.

Accuracy (Highest)

(mm)	Tolerance	Parallelism	Flatness	Roughness
Assured accuracy	±0.001	0.001	0.001	Ra 0.1

Technical Specifications

Model			HDG-355	HDG-455	HDG-58 5	HDG-76 0
Grinding range (mm)	Outer Diameter	Through feed	10-60	15-120	20-160	30-280
	Width	Rotary carrier	5-30	8-50	10-80	12-120
	Outer Diameter	Through feed	1.5-20	1.5-30	2-50	2-80
	Width	Rotary carrier	3-30	5-50	10-100	12-120
Standard grinding speed (m/min)			1-6	1-8	1.5-9	1.5-11
Grinding wheel	Dimension (mm)		355	455	585	760
	Spindle speed (rpm)		1600	1300	900	700
Wheel spindle motor (KW)			3.7-7.5	5.5-11	11-22	22-45
Dimensions (mm)			2200*1600	2500*1800	3000*2000	3600*2500
Weight (kg)			4000	5000	6500	13000

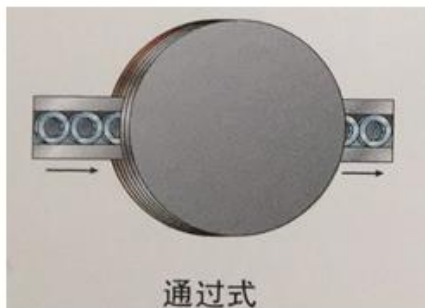
Technical Specifications

Feed methods

Through feed; Rotary carrier feed; Reciprocating feed; Special fixture feed.

1. Through feed:

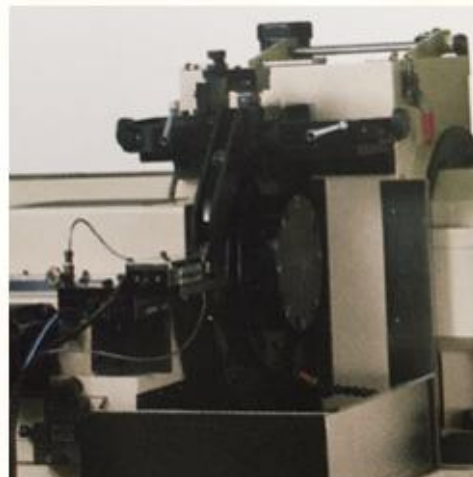
Through feed



For work pieces with simple shapes and needing high efficiency (processed in large amount), such as bearing, piston ring, valve plate, brake pad, and other parts.

2. Rotary carrier feed:

Rotary carrier feed



For work pieces with larger length than diameter, or irregular shapes, or high precision required.

Such as pillow block bearing inner ring, roller, pinion, etc.

3. Reciprocating feed:

Reciprocating feed



For work pieces with small tolerance and large machining allowance; or large work pieces.

Such as saw blade, connecting rod, large bearing race, piston ring, etc

4. Special fixture feed:

Special fixture feed



For work pieces those are difficult to be processed in above ways, like protrusive grinding parts, or those needing special fixture/feeding mode. E.g.: disc brake, cylinder cover, etc.



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

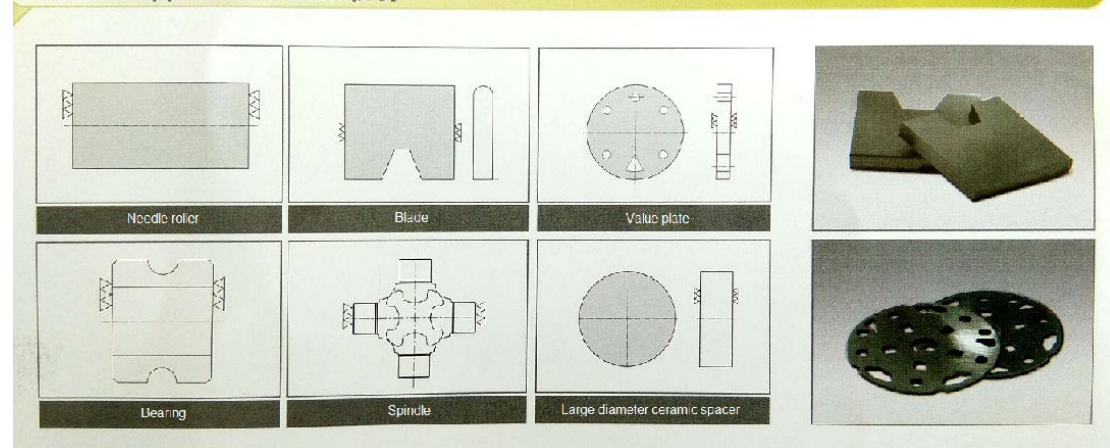
Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

Application examples

Needle roller, blade, valve plate, bearing, spindle, large diameter ceramic spacer, etc.

应用事例 [Application Example]



Origin:

Made in Korea.

Quality control:

ISO9001:2008

CE

Warranty:

1 Year

Delivery time:

30-90 days after advance payment

Shipping packages:

Wooden cases



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

Vertical Double Disc Surface Grinding Machine

--HVD Series



Overview

Workpiece goes through upper and lower grinding wheels, and is ground on two parallel planes simultaneously--it is for full automatic system.

Automatic loading and unloading, on-line detection.

KSHS equipment has high precision, high efficiency, high rigidity, high stability, and are full automatic.

Accuracy (Highest)



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

(mm)	Tolerance	Parallelism	Flatness	Roughness
Assured accuracy	±0.001	0.001	0.001	Ra 0.1

Technical Specifications

Model		HVD-355	HVD-585	HVD-760
Grinding range (mm)	Outer Diameter	5-120	10-200	12-280
	Thickness	1-40	2-40	3-40
Machine dimensions (mm)		1850*2000*2300	2100*2500*2800	2500*2800*3200
Machine weight (kg)		5000	10000	16000

Equipment structure

※ Spindle designed for high load and thermal displacement

- The grinding wheel spindle and grinding wheel flange are made into a whole by forging technology.
- Ultra-precision angular contact bearings and double row roller bearings are used for positive and negative preloading assembly, to withstand grinding resistance.
- Stable machining accuracy and long service life can be guaranteed.

※ Guide rail withstand heavy grinding torque load

- The wear-resistant guide rail installed in the middle of grinding wheel spindle can ensure a stable machining accuracy and bear the torque load generated by heavy load grinding.
- Ultra precision ball screw provides precision feeding at micron level.



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com https://kshs.en.alibaba.com

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

※ Simple touch screen control

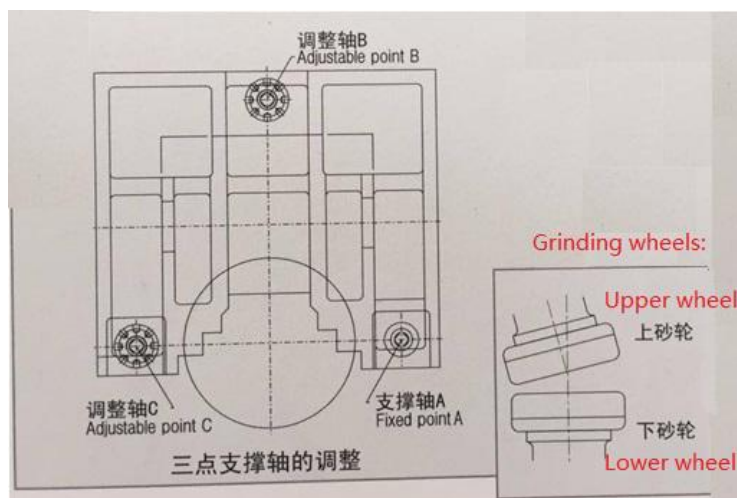
Convenient for setting up various processing conditions, origin reset, feeding positive and negative adjustments, and control correction positions. It is suitable for grinding under various processing conditions.



※ Simple grinding wheel adjustments

To improve the machining accuracy of grinder, the most important thing is simple and accurate micro control of grinding wheel angle.

Three grinding wheel shaft baseboards fixed on grinding wheel guide rail by means of three-point support make adjustments of grinding wheel angle easy and quick.



Three-point support adjustment



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

Feed methods

Method	Through feed	Rotary carrier feed	Vibration feed	Swing arm feed		
				Double swing arms	Single swing arm	Chuck feed
Speed	Fast→Slow					
Accuracy	Low→High					

Through feed: For work pieces with simple shapes and needing high efficiency (processed in large amount), such as bearing, piston ring, valve plate, brake pad, and other parts.

Rotary carrier feed: For work pieces: length larger than diameter; high precision required; and irregular shape parts. E.g.: pillow block bearing inner ring, roller, pinion, and so on.

Vibration feed: For work pieces with small tolerance and large machining allowance; or large work pieces. Such as saw blade, connecting rod, large bearing race, piston ring, etc

Swing arm type: For work pieces difficult to be processed in above ways, like protrusive grinding parts or those needing special fixture or feeding mode. E.g.: disc brake, cylinder cover, etc.

Feed Methods



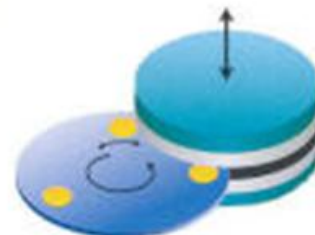
Through feed

Suitable for high efficiency workpieces like bearings



Rotary carrier feed

Suitable for ceramic, piston ring, ball bearing, gear, etc.



Vibration feed

Combine rotary fixture with vibration to improve efficiency.



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

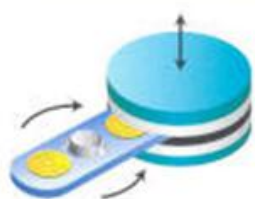
Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

Fax: +86-10-8863 2570

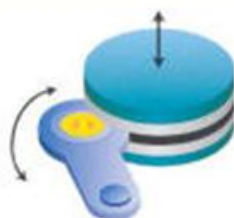
Email: trade2@grindingchina.com

Feed Method



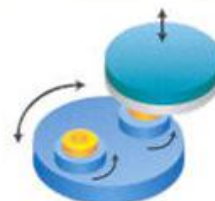
Double swing arms

Suitable for workpieces with special requests, such as gear and rollers



Single swing arm

Suitable for rings, rotors, etc.



Chuck feed

When rotary carrier rotates, workpiece rotates at the same time through collet chuck. Suitable for cover type workpieces.

Application examples:

Rotary compressor cylinder;
Vane;
Cam ring;
Tapered bearing;
Connecting rod;
Piston ring;
Guide bearing worktable;
Thrust washer;
P.C board;
Cutting blade;
FWT tungsten chromium steel core;
Electronic component;
Etc.



北京凯硕恒盛科技有限公司

Beijing Kai Shuo Heng Sheng Technology Co., Ltd

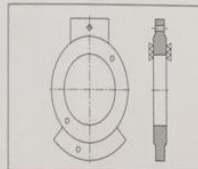
Web: www.grindingchina.com <https://kshs.en.alibaba.com>

Tel: +86-10-6572 9550

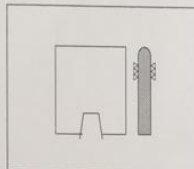
Fax: +86-10-8863 2570

Email: trade2@grindingchina.com

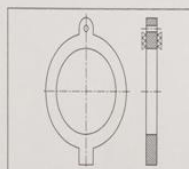
应用事例 (Application Example)



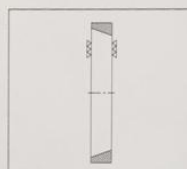
Rotary compressor cylinder



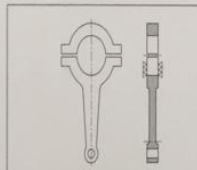
Vane



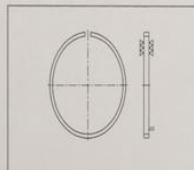
Cam ring



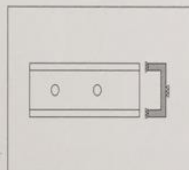
Tapered bearing



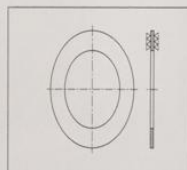
Connecting rod



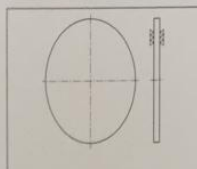
Piston ring



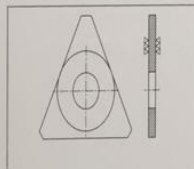
Guide bearing worktable



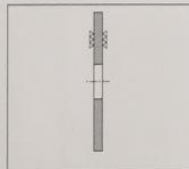
Thrust washer



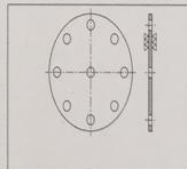
P.C board



Cutting blade



FWT tungsten chromium steel core



Electronic component



Origin:

Made in Korea.

Quality control:

ISO9001:2008

CE

Warranty:

1 Year

Delivery time:

30-90 days after advance payment

Shipping packages:

Wooden cases