



Magnetic De-burring & Polishing Machine

De-burring, Polishing, Cleaning Special PIN Media Deburrs Holding **SPINner** HD-790 Trmatetata

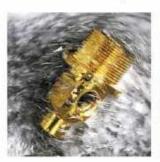
CE

Magnetic De-burring Machine Inventor

Holding[®]

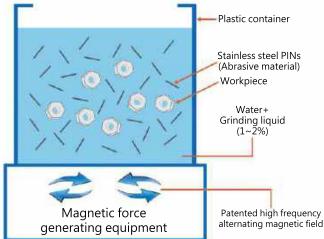
About SPINner

- ✓ The sPINner is a special magnetic force generating equipment motivating magnetized SUS PINs to bounce and rotate rapidly to grind workpieces uniformly
- ✓ Deburring, polishing and cleaning at the same time
- ✓ Patented in many countries





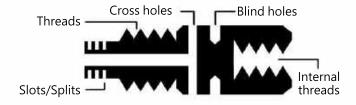
Working Principle



Made by Holding company in Taiwan Obtained patents from many countries

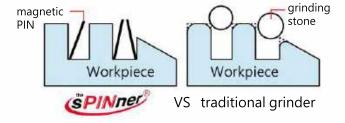
Grind Every Corner

- ✓ The magnetic PINs are thin. They can penetrate into every corner of the workpiece
- ✓ Able to grind the inside of tubes, holes and grooves without any dead corners
- ✓ Effectively remove burrs and round sharp edges
- ✓ Suitable for grinding various shapes and irregular workpieces



Suitable for all kinds of workpieces with grooves or holes





Grind for High-precision Parts

- √ The force of the magnetic PINs is gentle, suitable for grinding high-precision workpieces with precision requirements
- ✓ Never deform parts
- ✓ Never affects accuracy
- ✓ Never damage surfaces
- *Able to process threads, screw holes, screws, gears, thin stamping parts, long fragile workpieces, springs, shrapnel, etc.

Thin workpieces



Screws and gears



Workpieces with threads/screw holes



High-precision workpieces



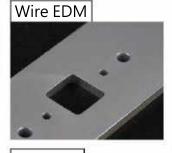


Suitable Processes

Beyond traditional Deburring/polishing/cleaning













Thermal treatment













Suitable Industries

Suitable for high-precision industries such as aerospace, semiconductor, biomedical and bicycle industries

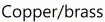
- √ Bicycle indutry
- ✓ Aerospace industry
- ✓ Biomedical stainless steel and titanium parts
- ✓ CNC turning and milling parts
- √ Laser sheet metal
- ✓ Accessories, handicrafts
- √ Heat sinks, heat spreaders, and lead of frames
- √ High-precision stamping parts and springs
- ✓ Nozzles, joints, and valve parts
- √ Cleaning of semiconductor process devices

Suitable Materials

Copper, brass, aluminum alloy, stainless steel, zinc alloy, titanium alloy, hard plastic, glass fiber, carbon fiber, ceramics

Stainless steel







Aluminum alloy



Zinc alloy





Deburring & Round Sharp Edges

The sPINner can effectively remove small burrs caused by machining and cutting, and slightly round the sharp edges to make the workpiece smooth.

It can uniformly remove the burrs in holes, tubes, and slots.

It is also useful for removing mold burrs of die-casting parts.

√ CNC lathing/milling

√ Laser cutting

√ Wire EDM

√ Stamping

✓ Cutting

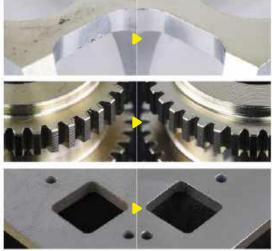
√ Hobbing

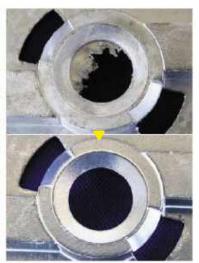
✓ Die casting

✓ Powder metallurgy

✓ Plastic, glass fiber, carbon fiber machining





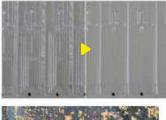


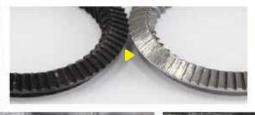
Surface Treatment

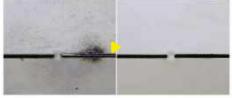
The sPINner can quickly remove tool marks and scratches, rusty layers of steel/iron and oxide layers of copper/aluminum.

It can also recover laser scorch marks and oxidative discoloration caused by heat treatment as well as restore brightness and reduce color difference.

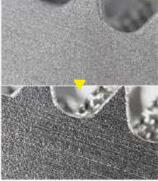
- ✓ Remove turning and milling tool marks ✓ Remove oxide layer from copper parts ✓ Reduce surface color difference
 - ✓ Rust removal of steel and iron parts
- ✓ Improve surface roughness ✓ Remove surface scratches
 - √ Surface matte treatment
- ✓ Improve electroplating, anode surface uniformity & image and text clarity
- ✓ Remove heat treatment oxidized layer
- ✓ Reduce layer texture from 3D printing
- ✓ Remove laser scorch marks & spatter marks















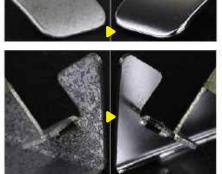


Polishing

The sPINner can slightly remove the metal surface layer, resulting in a matte/sub-mirror finishing and greatly increasing the metallic luster.

Dead corners such as holes and pipes can also be polished.

- √ Matte/sub-mirror polishing
- ✓ MIM parts polishing
- ✓ Increase metallic luster
- √ Brass, copper polishing
- √ Aluminum/zinc die casting polishing
- ✓ Polishing of casting and forged parts
- ✓ Irregular surface polishing
- √ Metal 3D printing polishing
- ✓ Stainless steel 2B/No.1 surface polishing









Cleaning

The patented magnetic technology motivates the PINs, like a fluid steel brushes, to clean every corner of the workpieces without any dead corners.

Never damage and never deform the base material.

Compared with traditional methods, the sPINner can batch cleaning the process deposition on the semiconductor device.

The grinding liquid used is non-corrosive, environmentally friendly, non-toxic, and without recycling problem.

- ✓ Remove process depositions
- ✓ Pump and turbine blade cleaning
- ✓ Remove machining scarps

- ✓ Semiconductor device cleaning
- ✓ Cleaning of water /oil pipelines, heating and pipe components







Standard Model



The sPINner uses a patented magnetic field to drive the PINs to bounce and rotate rapidly to evenly grind all parts of the workpiece.

The standard series include grinding areas ranging from Φ280mm to Φ830mm.

The user can choose according to the workpiece output, material, and size.

Effective grinding range Central invalid area

HD-790 Max grinding capacity 18KG

830

HD-765 Max grinding capacity 12KG



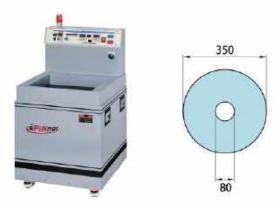
HD-750 Max grinding capacity 8KG



HD-745 Max grinding capacity 5KG



HD-735 Max grinding capacity 3KG



HD-728 Max grinding capacity 1KG



(unit:mm)

(The maximum grinding capacity is estimated for solid, small, non-magnetic stainless steel or copper workpieces. The actual grinding capacity depends on the material, shape and conditions of the workpiece.)



Features:

- The largest sPINner in the standard series
- · Max grinding capacity: 18kg
- · Max grinding area Ф830mm
- According to the size and quantity of workpieces, users can choose different sizes and shapes of flat-bottomed plastic containers
- 3-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Powerful version HD-790F (P.12)

Power	Acc	essories
3 phase AC220/380V(50/60HZ	1. Stainless p	ins : 24KG
Weight		tainer : 2sets
340KG	3. Separating container: 1s 4. PIN collector: 2sets 5. Grinding liquid (20,000c. 6. Operation manual	
Container size (LxW)		
Ф830x250mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		18KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		7.5KG
Machine size (LxWxH)	1050x1140x1220mm	











Features::

- · Max grinding capacity: 12kg
- · Max grinding area Φ650mm
- According to the size and quantity of workpieces users can choose different sizes and shapes of flat-bottomed plastic containers
- 3-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Powerful version HD-765F (P.12)

Power	Ac	cessories
3 phase AC220/380V(50/60HZ)	1. Stainless	pins : 12KG
Weight	2. Plastic container: 2sets 3. Separating container: 1se 4. PIN collector: 1set 5. Grinding liquid (12,000c.c	
234KG		
Container size (LxW)		
Ф650x250mm	6. Operation manual	
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		12KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		5KG
Machine size (LxWxH)	960x1000x1100mm	









Features:

- · Max grinding capacity: 8kg
- · Max grinding area Φ500mm
- According to the size and quantity of workpieces users can choose different sizes and shapes of flat-bottomed plastic containers
- · 2-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Power	Aco	cessories
Single phase AC220/380V(50/60HZ)	 Stainless pins: 6KG Plastic container: 2sets Separating container: 1se PIN collector: 1set Grinding liquid (6,000c.c.) 	
Weight		
150KG		
Container size (LxW)		
Ф500x245mm	6. Operation manual	
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		8KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		3KG
Machine size (LxWxH)	810x790x1070mm	













Features:

- · Max grinding capacity: 5kg
- · Max grinding area Ф400mm
- According to the size and quantity of workpieces users can choose different sizes and shapes of flat-bottomed plastic containers
- 2-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Grinding container:



Power	Ac	cessories
Single phase AC220/380V(50/60HZ)	1. Stainless	s pins : 5KG
Weight	2. Plastic container: 2sets3. Separating container: 1se4. PIN collector: 1set5. Grinding liquid (5,000c.c.)6. Operation manual	
135KG		
Container size (LxW)		
Ф400x235mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		5KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		2KG
Machine size (LxWxH)	610x700x1120mm	



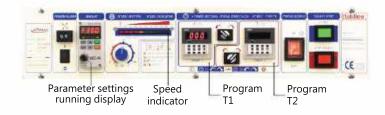






- Ф350mm
- Max grinding capacity: 3kg
- · Max grinding area Φ350mm
- · 2-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Power	Ad	ccessories
Single phase AC220/380V(50/60HZ)	1. Stainless	s pins : 4KG
Weight	2. Plastic container: 2sets3. Separating container: 1s4. PIN collector: 1set5. Grinding liquid (4,000c.c.	
100KG		
Container size (LxW)		
Ф350x200mm	6. Operation manual	
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		3KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		1.5KG
Machine size (LxWxH)	560x630x1020mm	



HD-728



Grinding container:



- Max grinding capacity: 1kg
- · Max grinding area Φ280mm
- · 2-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Power	Ac	cessories
Single phase AC220/380V(50/60HZ)	1. Stainless	pins : 2KG
Weight	I	ontainer : 2sets
65KG	3. Separating container: 1se4. PIN collector: 1set5. Grinding liquid (2,000c.c.)	
Container size (LxW)		
Ф260x270mm	6. Operation manual	
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		1KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		0.5KG
Machine size (LxWxH)	410x530x970mm	



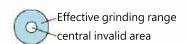




Powerful Model



Powerfully upgraded version of the sPINner, with high-density magnetic field, increasing the grinding force & height, also shortens the grinding time.



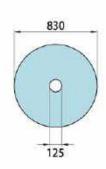
HD-790F

Max grinding capacity 18KG

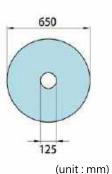
HD-765F

Max grinding capacity 12KG

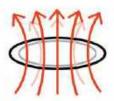




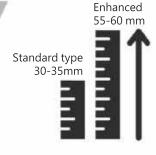




Enhanced Magnetic Field









Magnetic flux density increase by 150~250%

Grinding force enhance by 80~120%

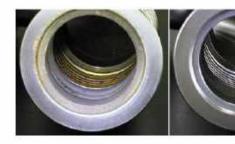
Grinding height increase by 50~80%

Grinding time shorten by 20~50%

Application Examples

- · CNC aluminum molds and aluminum shells
- √ Tooling mark removal ✓ Brilliant treatment ✓ Polishing
- √ Surface homogenization √ Surface refinement
- Semiconductor equipment cleaning
- ✓ Cleaning of oil and water pipelines ✓ Clean the pump blades
- ✓ Remove the surface depositstions of semiconductor process
- ✓ Improve the surface roughness of the inner tube wall









HD-790F



Features:

- Max grinding area Φ830, grinding height 55~60mm
- According to the size and quantity of workpieces users can choose different sizes and shapes of flat-bottomed plastic containers
- 3-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

Power	Acce	essories
3 phase AC220/380V(50/60H	^{Z)} 1. Stainless p	ins : 24KG
Weight		tainer : 2sets
345KG	3. Separating container: 1so 4. PIN collector: 2sets 5. Grinding liquid (20,000c.c) 6. Operation manual	
Container size (LxW)		
Ф830x250mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		18KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		7.5KG
Machine size (LxWxH)	1050x1140x1220mm	

HD-765F



Features:

- Max grinding area Φ650, grinding height 55~60mm
- According to the size and quantity of workpieces users can choose different sizes and shapes of flat-bottomed plastic containers
- 3-stage grinding programs with independent adjustment functions for grinding force (speed), grinding time and rotation direction

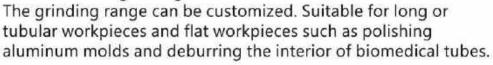
Power	Acce	essories
3 phase AC220/380V(50/60H	1. Stanness p	
Weight		tainer : 2sets
250KG	4. PIN collect	container : 1set cor : 1set
Container size (LxW)	5. Grinding liquid (12,000c.c	
Ф650x250mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		12KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		5KG
Machine size (LxWxH)	960x1000x1100mm	



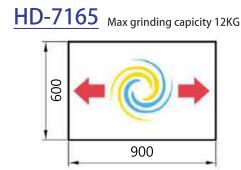
Holding®

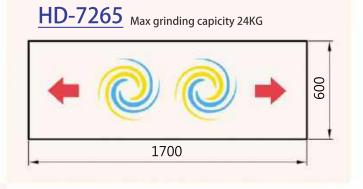
Parallel Model

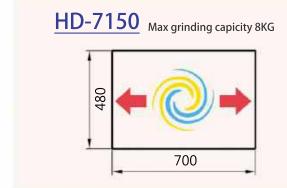
The parallel model of the sPINner can be equipped with multiple magnetic force generating devices, which move in parallel to increase the grinding area.

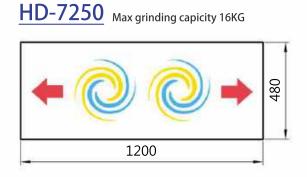


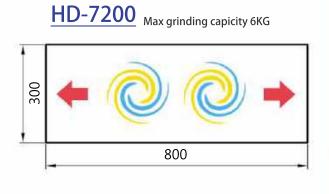


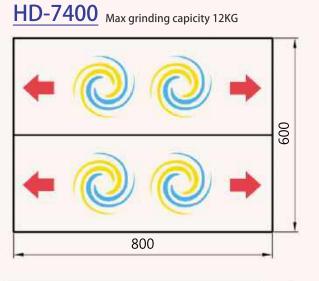


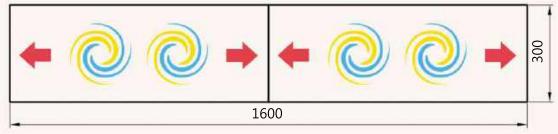












(unit:mm)





Features:

- Patented magnetic base design for left and right parallel movement, able to grind workpieces uniformly without dead corners
- · Grinding area 900(L)x600(W)mm
- Can be equipped with enhanced grinding magnetic field (HD-7165F) Increased magnetic flux density 150-250%, effectively enhance grinding force & increases grinding height
- Suitable for long workpieces and flat workpieces
- Suitable for long biomedical tubes
- Suitable for large aluminum molds and aluminum shells

Grinding area:

+		•
	900mm	



Power	Accessories	
3 phase AC220/380V(50/60HZ)	 Stainless pins: 15KG Customized PP rectangula container: 1set HD-765 round PP grinding container: 1set Separating container: 1se PIN collector: 2sets Grinding liquid (15,000c.c) Operation manual 	
Weight		
281KG		
Max grinding area (LxW)		
900x600mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		12KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		6KG
Machine size (LxWxH)	1360x1070x1365mm	







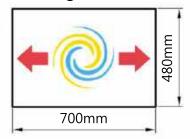
Features:

- Patented magnetic base design for left and right parallel movement, able to grind workpieces uniformly without dead corners
- · Grinding area 700(L)x480(W)mm
- Suitable for long workpieces and flat workpieces
- · Suitable for long biomedical tubes
- Suitable for large aluminum molds and aluminum shells

Power Accessories 1. Stainless pins: 8KG Single phase AC220/380V(50/60HZ) 2. Customized PP rectangular container: 1set Weight 3. HD-750 round PP grinding 200KG container: 2sets 4. Separating container: 1set Container size (LxW) 5. PIN collector: 2sets 6. Grinding liquid (8,000c.c) 7. Operation manual 700x480mm Max grinding capicity (reference) Stainless steel (Non-Magnetic), Copper 8KG Stainless steel (Magnetic), 4KG Aluminum, Zinc, Iron, Steel

Machine size (LxWxH)

Grinding area:



Grinding container (examples):





1270x850x1370mm

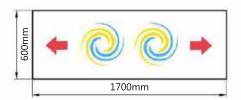


HD-7250

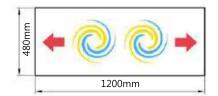




- Patented dual magnetic bases + left and right parallel movement design, able to grind workpieces uniformly without dead corners
- · Independent dual spindles, can be operated separately
- · Suitable for long biomedical tubes, aluminum molds, and aluminum shells









Power	Acce	essories
3 phase AC220V/380V(50/60HZ	1. Stainless p	ins : 30KG
Weight	2. Plastic con	
330KG	3. Separating container : 1se 4. PIN collector : 3sets 5. Grinding liquid (27,000c.c) 6. Operation manual	
Effective grinding area		
1700x600mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		24KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		12KG
Machine size (LxWxH)	2500x1100x1300mm	

Power	Acce	ssories
3 phase AC220/380V(50/60HZ)	1. Stainless pi	ns : 16KG
Weight	2. Plastic container: 2sets3. Separating container: 1set4. PIN collector: 3sets5. Grinding liquid (14,000c.c)6. Operation manual	
230KG		
Effective grinding area		
1200x480mm		
Max grinding capicity (reference)		
Stainless steel (Non-Magnetic), Copper		16KG
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		8KG
Machine size (LxWxH)	2022x830x1370mm	







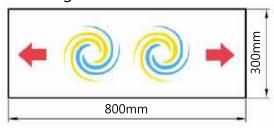


Features:

- Patented dual magnetic bases+ left and right parallel movement design, able to grind workpieces uniformly without dead corners
- · Grinding area 800(L)x300(W)mm
- Independent dual spindles, can be operated separately
- Suitable for long biomedical tubes
- Suitable for aluminum molds and aluminum shells

Power	Accessories		sories
3 phase AC220/380V (50/60HZ)	1. Stainless pins : 12KG		
Weight	2. Plastic container: 2sets 3. Separating container: 1se 4. PIN collector: 3sets 5. Grinding liquid (12,000c.c		
500KG			
Effective grinding area			
800x300mm			nanual
Max grinding capicity (reference)			re)
Stainless steel (Non-Magnetic), Copper		6KG	
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		3KG	
Machine size (LxWxH)		1480x670x1100mm	

Grinding area:



Grinding container (examples):





17







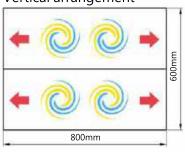


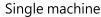


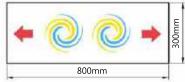


Dual-machine alignment

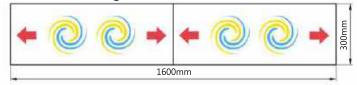
Vertical arrangement







Horizontal arrangement



Features:

- Dual-machine design, can be aligned vertically or horizontally.
- Patented dual magnetic bases + left and right parallel movement design, able to grind workpieces uniformly without dead corners
- Independent dual spindles, capable of stand-alone operation
- Suitable for grinding and polishing extra long or extra large workpieces
- Can be flexibly operated alone or combined
- · Longest grinding size: 300×1600mm
- · Widest grinding size: 600×800mm

Power	Accessories		sories
3 phase AC220/380V(50/60HZ)	1. Stainless pins : 24KG		
Weight	2. Plastic container: 4sets3. Separating container: 1se4. PIN collector: 5 sets5. Grinding liquid (20,000c.c)6. Operation manual		
1000KG			
Controller size (LxWxH)			
525x325x1050mm			
Max grinding capicity (reference)			ce)
Stainless steel (Non-Magnetic), Copper		12KG	
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		6KG	
Standalone size (LxWxH) 1480x0		80x765mm	





Circular Model

High-capacity, Automated, Labor-saving Model

Circular model integrates multiple grinding areas together with a center-rotating worktable. It can grind multiple tanks of workpieces at the same time and reduce operating manpower. It equips a friendly HMI (hum-machine interface) and a PLC controller.

Many operation modes can be selected. It can communicate with external controllers through common protocols and I/O, and it can interact with robot arms to achieve full automation.

It supports many intelligent functions such as: saving and loading parameters as recipes; recording production history; managing accessing permissions; and recording abnormal alarms.







Fully Customized Machine

This model can be customized in many aspects according to the size and output of workpieces, such as the number of grinding areas, the size of the grinding area, and the operation models. The HMI can be integrated into the machine or at an external control box. The user interface and external handshaking can also be customized.



HD-7445



Power	Accessories 1. Stainless pins : 20KG		
3 phase AC220/380V (50/60HZ)			
Weight	2. Plastic container : 4sets		
400KG	3. Separating container : 2sets 4. PIN collector : 5sets		
Container size	5. Grinding liquid (20,000c.c) 6. Operation manual		
Ø390x300mm			
Max grinding capicity (reference)			
Stainless steel (Non-Magnetic), Copper		1 tank : 5KG 4 tanks : 20KG	
Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		1 tank : 2KG 4 tanks : 8KG	
Machine size (LxWxH)	1276x1270x1710mm		



HD-7450C



Power	Accessories		
3 phase AC220/380V (50/60HZ)	1. Stainless pins: 24KG 2. Plastic container: 4sets 3. Separating container: 2se 4. PIN collector: 5sets 5. Grinding liquid (24,000c.c) 6. Operation manual		
Weight			
450KG			
Container size			
Ø480x300mm			
Max grinding ca	picity (referenc	ce)	
Stainless steel (Non-Magnetic), Copper Stainless steel (Magnetic), Aluminum, Zinc, Iron, Steel		1tank: 8KG 4tanks: 32KG	
		1tank : 3KG 4tanks : 12KG	
Machine size (LxWxH)	1470x1470x1710mm		

HD-7645C

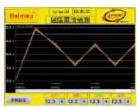


Power	Accessories		
3 phase AC220/380V (50/60HZ)	1. Stainless pins : 30KG		
Weight	2. Plastic container : 6sets		
500KG	3. Separating container: 2sets4. PIN collector: 7sets5. Grinding liquid (30,000c.c)6. Operation manual		
Container size			
Ø390x300mm			
Max grinding capicity (reference)			
Stainless steel (Non-Magne	tic), Copper 1tank : 5KG 6tanks : 30KG		
Stainless steel (Magr Aluminum, Zinc, Iron	netic), 1tank: 2KG , Steel 6tanks: 12KG		
Machine size (LxWxH)	1480x1470x980mm		

HMI Rreference:













Magnetized Stainless Steel PIN

The PINs are semi-permanent abrasive media and can be used for many years. The gentle grinding force will not deform or damage the workpiece,

nor affect accuracy.

The PINs come in various sizes and shapes and can be selected according to the material and shape, burr size, and surface roughness requirement of the workpiece.

PIN selection guide:

- 1. According to the material of the workpiece: the thicker PIN, the stronger the grinding force
- 2. According to the size of the hole: to prevent the PINs from jamming
- 3. According to the burr size and surface roughness requirement



Standard

PIN NO. **S9** S1 **S2 S**3 **S4 S5 S6** S7 **S8** Φ×length Ф0.3×5 Φ0.4×5 Ф0.5×5 Ф0.7×5 Ф0.8×5 Φ1.0×5 Φ1.2×5 Φ1.5×5 Φ2.0×5

Other PIN diameter: 0.1, 0.15, 0.2 ~ 1.0, 1.2, 1.5, 2.0mm; PIN length: 1~10mm; all can be customized

P1 P2 P3 P4 **P5** P6 **P7** P8 P9 P10 Φ×length Φ0.2×5 Ф0.3×3 $\Phi 0.4 \times 3$ $\Phi 0.5 \times 1$ $\Phi 0.5 \times 3$ $\Phi 0.7 \times 3$ Ф0.8×3 $\Phi1.2 \times 3$ Φ1.0×1 $\Phi1.0\times3$

Special

PIN NO.

A variety of special-shaped grinding magnetic PINs have been designed, including L-shaped, U-shaped, Z-shaped, M-shaped, Ω -shaped, 45° bevel PINs and round-head PINs, etc., to achieve the following effects

1. Reduce the probability of the PIN getting stuck in the hole of the workpiece

2. Enhance the matte effect 3. Achieve a sub-mirror polishing effect



L3 L5 L-shaped Ф0.5×5×5 Ф0.5×7×7 Φ0.7×5×5 Φ0.7×7×7 Ф0.5×5×2 Φ×L×L A2 45° Bevel A1 A3 A4 Φ×L Ф1.0×7 Φ1.0×10 Ф1.5×7 Φ1.5×10



45° Bevel L-shaped













Round-head R1

U-shaped U1

Z-shaped Z1

M-shaped M1

 Ω -shaped Ω 1

 Ω -shaped Ω 2 \emptyset 0.7×3×4×3

Ø0.7×3

 \emptyset 0.7×3×4×3

Ø0.7×2×4×2

Ø0.7×2×3×3×2

Ø0.7×4×6×4 120°

180°

(unit:mm)

Machine Specifications

	Model	Size(LxWxH)	Grinding area(LxW)	Power	Weight
	HD-790	1050x1140x1220mm	Ф830mm	3phase 220/380V (50/60HZ)	340kg
	HD-765	960x1000x1100mm	Ф650mm	3phase 220/380V (50/60HZ)	234kg
	HD-750	810x790x1070mm	Ф500mm	single phase 220/380V (50/60HZ)	150kg
	HD-745	610x700x1120mm	Ф400mm	single phase 220/380V (50/60HZ)	135kg
	HD-735	560x630x1020mm	Ф350mm	single phase 220/380V (50/60HZ)	100kg
	HD-728	410x530x970mm	Ф280mm	single phase 220/380V (50/60HZ)	65kg
	HD-7165	1360x1070x1365mm	900x600mm	3phase 220/380V (50/60HZ)	281kg
	HD-7150	1270x850x1370mm	700x480mm	single phase 220/380V (50/60HZ)	200ka

Grinding Liquid

Grinding liquid has the following functions: polishing, cleaning, rust prevention, lubrication, and cooling. The grinding liquid has passed SGS and RoHS certification and complies with the environmental standards with an ingredient list and safety data sheet (SDS).

Packaging capacity: ①5 gallons (20 liters)/barrel ②1 liter/bottle

HD-233	Stainless steel, copper, aluminum, titanium alloy and other non-magnetic materials		(Dilute with water 50~100 times before use)
HD-903	Iron, carbon steel and other materials that will rust		(Dilute with water 50~100 times before use)
HD-293 Neutral type for die-casting magnesium and aluminum alloy		(Dilute with water 50~100 times before use)	
HD-160CB	For copper and brass to prevent oxidation	(Dilute 10 times with water before use, soak after magnetic grinding	
HD-201	Deoxidizer for aluminum alloy to remove oxide layer	(Dilute 10 times with water	er before use, soak before magnetic grinding)







HD-903(Anti-rust type)



HD-293(neutral type)

Containers

Every series of the sPINner model is equipped with a matching grinding container.

The large models are equipped with customized PP containers.

The grinding container can be flexibly selected according to the size, quantity, and shape of the workpieces. Any plastic container with a flat bottom and high enough walls can be used for grinding.





Ф500x245

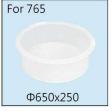
For 750

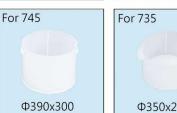
Commercial containers

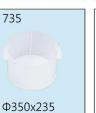




























(unit:mm)



Standard sPINner



Revolutionary deburring technology. Uniform grinding for high precision parts.

Parallel sPINner



Parallel moving magnetic field. For long and wide parts.



Powerful sPINner

Magnetic field strength 150~250% UP. For high parts.



Circular sPINner

Circular pipeline mechanism. For automation production.





CE, RoHS, SGS certified

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