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# 【企业简介】

## Brief Introduction

湖磨公司始建于二十世纪七十年代，是磨料磨具行业标准的起草单位之一，目前拥有三个生产基地，总占地面积156000M<sup>2</sup>，年产抛磨块30000多吨，光饰机械3000多台（套）、抛光液3000多吨、研磨微珠3000多吨，规模为世界同行业最大。产品畅销全国各地，远销美国、日本、韩国、澳大利亚、德国、瑞士等五十多个国家和地区。

湖磨公司一直致力于为客户提供优质的表面处理产品和先进的表面处理工艺。我们为基于自身所积累的三十多年的表面光整处理技术经验，以最低的成本和最佳的工艺，从小到对钟表机械配件，大到对航空发动机铸件的所有表面处理技术专业能力感到自豪。

Zhejiang Humo Polishing grinder Manufacture Co., Ltd established in 1970s is one of the formulators of surface finishing industry China's National Standards. Currently Humo Company has three production sites which cover an area of 156000 M<sup>2</sup> and outputs over 30000 ton of grinding media, over 3000 sets of finishing machines, over 3000 ton of polishing compound and over 3000 ton of ceramic bead annually. The production scale among surface finishing industry is one of the largest in the world. Products sell well at home and abroad, such as America, Japan, Korea, Australia, German, Switzerland ect, over 50 countries totally.

Humo Company dedicates to providing high quality products and advanced technology on surface polishing for customers and manufacturers from all types of industries. Over thirty years' professional experience in the area, Humo systematically research new applications for technologies and develop innovative process solutions, which combine consistent surface quality with the highest level of economic feasibility. Humo is proud of its surface process solution for comprehensive range of mechanical components, tailor-made solutions from small watch machinery accessories to huge earoengines casting part.



# 【企业资质、荣誉】 Enerprise's Honors



## 今日成就 明日辉煌

Today's achievements, future's brilliance

我们摒弃固步自封，追求不断超越，  
面对成就荣誉我们永不骄傲，  
永不满足，永不休止……  
面对科技市场我们永远追求，  
永远探索，永远开创……

Honors and achievements would never  
be the excuse for our complacency,  
our satisfaction, or our stop of pursuit……  
We would never let go, or linger,  
but would explore forever in face of the  
science and technology market.



## 省级研发中心/高效的人才团队

公司技术力量强大，有博士、硕士等技术人员构成的专业队伍，  
有多年从事化工产品资源研究与开发的资深专家，  
有不断开发化工产品的技术储备，  
有符合国家标准的多功能生产车间及由大型监测、  
分析仪器组成的中心化验室，  
并在质量检验等方面建立一套科学完整的运行体系。

## Provincial scientific research center /talents fleet with high-efficiency

We have strong technology power, and a professional fleet made up of  
technological staffs with Ph.D.or Master Degree;  
we have senior experts with many years of working on R&D of chemical industry  
products;  
we have technical storage of constant development of chemical industry  
products, and multifunctional workshops which is in accordance with national  
standards and the central laboratory consisting large-scale monitoring in  
struments and analyzing instruments;  
and we has built up a set of scientific and complete operating system on the  
aspect of quality inspection and so on.

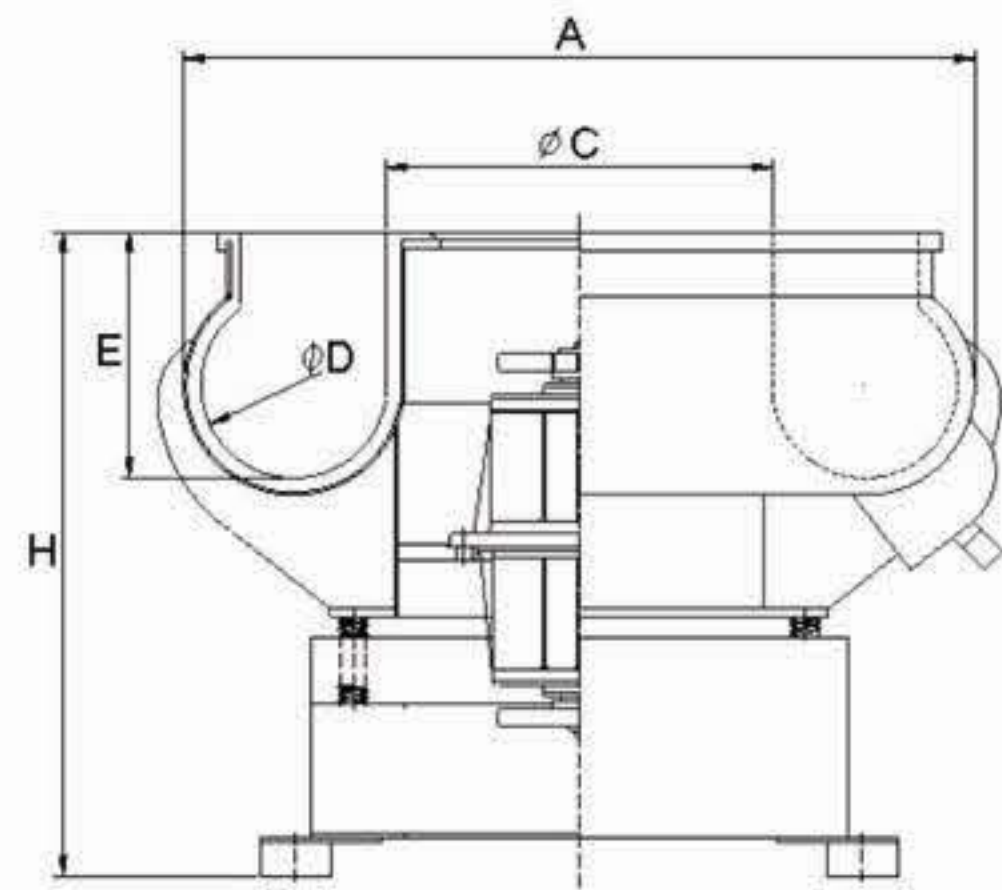


## 平底圆弧振动光饰机

Vibratory finishing machine with curved wall bowl



磁力分选机  
Magnetic interceptor

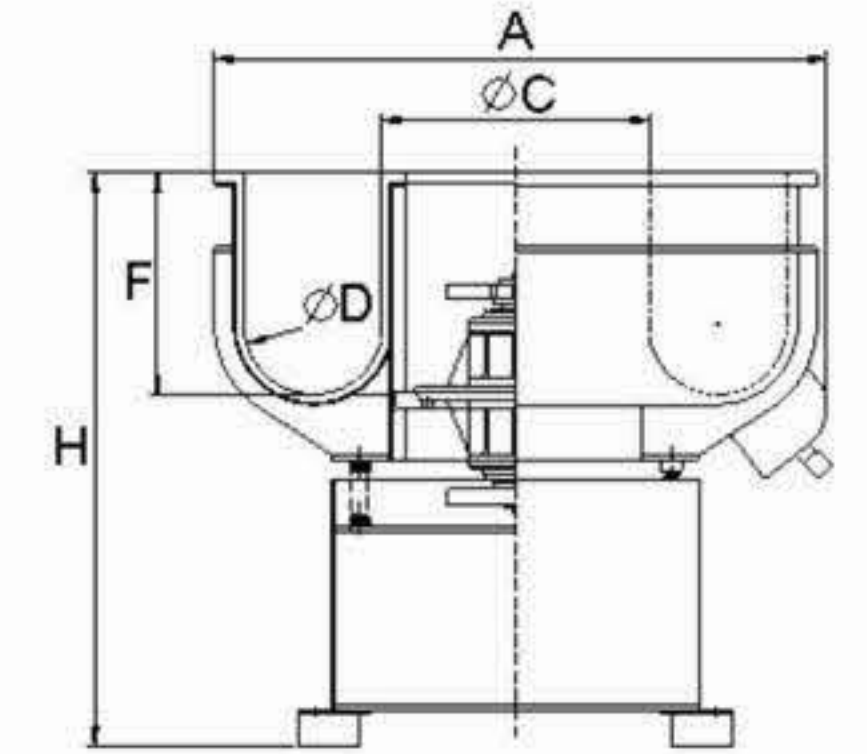


### 技术参数/Technical Data:

型号 Model	PZG(A)30	PZG(A)80	PZG(A)100	PZG(A)200	PZG(A)300	PZG(A)600	PZG(A)900	PZG(A)1200
总容积(L) Total volume	31	78	100	200	300	600	900	1200
最大外形A(mm) Max overall dimension	640	830	1020	1200	1310	1820	1930	2020
中筒直径φC Motor installation tube	130	226	470	540	620	910	610	740
通道直径φD(mm) Process bowl width	185	224	220	220	280	380	560	560
通道深度E(mm) Tunnel depth	225	270	330	343	365	500	490	645
总高度H(mm) Machine height	810	920	860	900	900	1350	1330	1420
电机功率(kw) Motor	0.5	0.75/1.1	1.5/2.2	3.0	3.7/5.0	5.5/7.5	9.0/11.0	11.0/15.0
整机重量(kg) Weight	100	120	260	400	560	1080	1850	2400

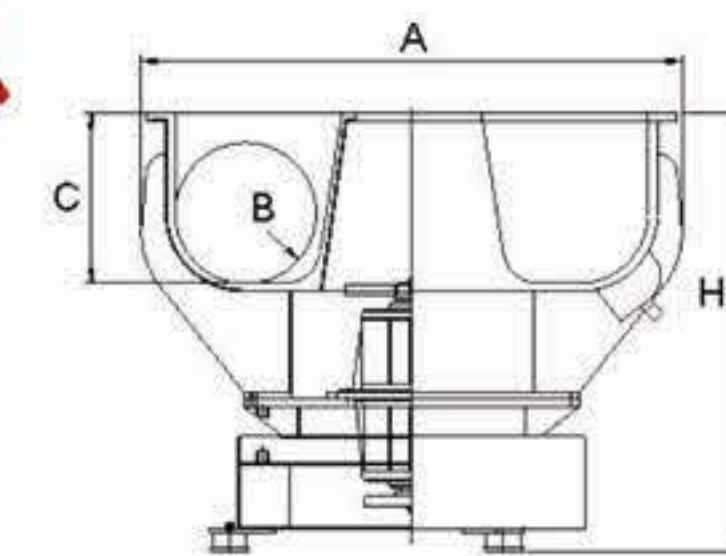
## 平底直口振动光饰机

Vibratory finishing machine with straight wall bowl



### 技术参数/Technical Data:

型号 Model	PZG(B)30	PZG(B)60	PZG(B)100	PZG(B)200	PZG(B)300	PZG(B)400	PZG(B)600	PZG(B)900	PZG(B)1200	PZG(B)1500	PZG(B)2500
总容积(L) Total volume	30	63	100	220	250	400	660	920	1300	1500	2500
最大外形A(mm) Max overall dimension	670	830	1020	1200	1310	1410	1820	1930	1930	2120	2300
中筒直径φC(mm) Motor installation tube	136	114	470	625	620	633	910	610	610	690	850
通道直径φD(mm) Process bowl width	184	280	216	220	270	320	370	560	560	630	650
通道深度E(mm) Tunnel depth	200	245	330	385	390	450	490	510	575	630	850
总高度H(mm) Machine height	800	910	860	915	900	1040	1140	1350	1350	1420	1350
电机功率(kw) Motor	0.5	0.75/1.1	1.5/2.2	3.0	3.7/5.0	5.0	5.5/7.5	9.0	11.0	15.0	18.5
整机重量(kg) Weight	85	110	260	420	600	850	1100	1850	2200	2400	3000

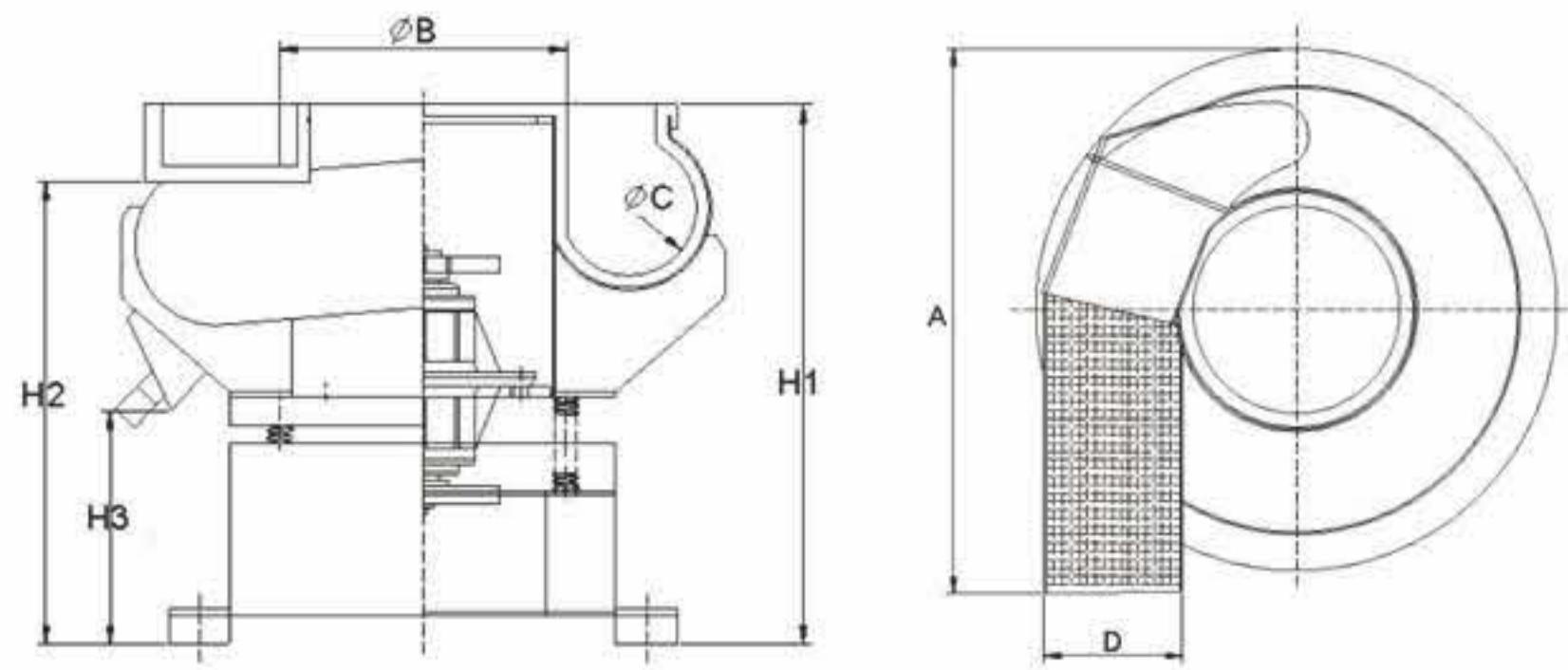
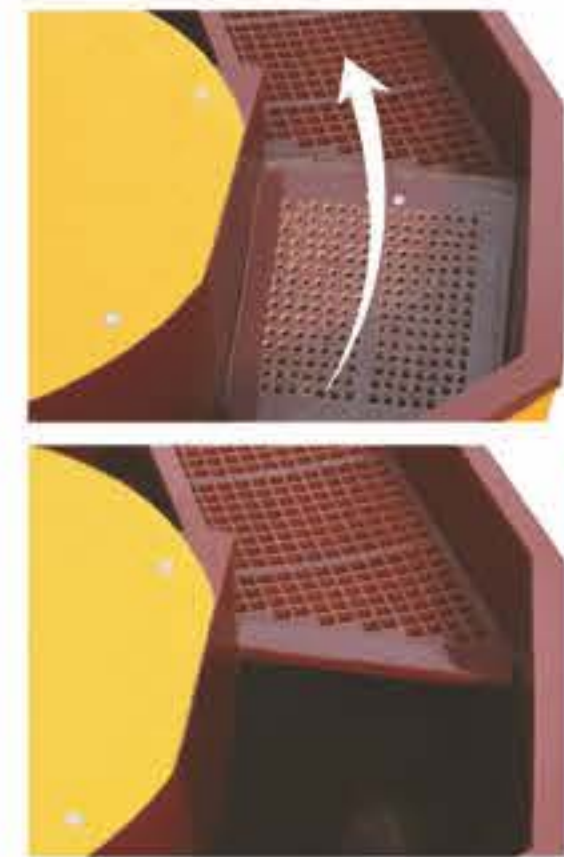


### 技术参数/Technical Data:

型号 Model	PZG(C)450	PZG(C)800
总容积(L) Total volume	480	800
最大外形A(mm) Max overall dimension	1430	1850
通道直径φB(mm) Process bowl width	380	480
通道高度E(mm) Tunnel height	460	510
总高度H(mm) Machine height	1060	1220
电机功率(kw) Motor	5.0	5.5
整机重量(kg) Weight	720	1080

## 圆弧带分选振动光饰机

Curved bowl with separating unit vibratory machine

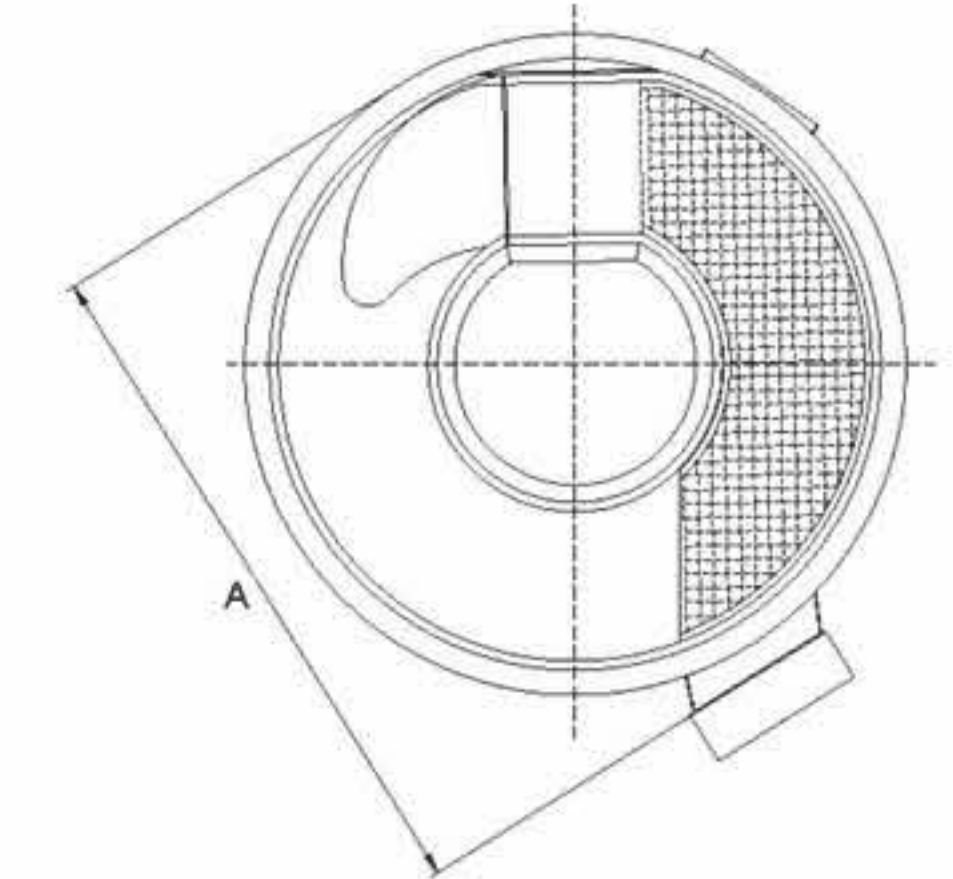
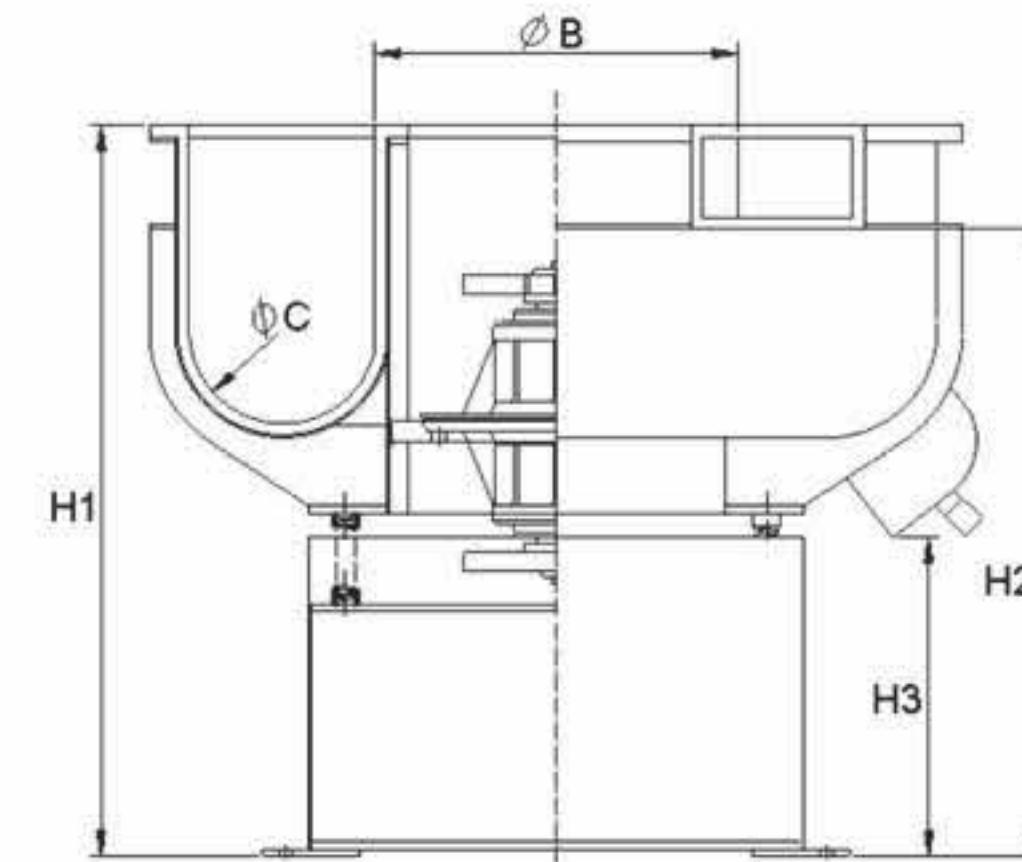


### 技术参数/Technical Data:

型号 Model	LZG(A)100	LZG(A)200	LZG(A)300	LZG(A)600	LZG(A)900
总容积/Total volume(L)	100	200	260	580	820
最大外形/Max overall dimension A(mm)	980	1060	1286	1800	2100
中筒直径/Motor installation tube B(mm)	φ 470	φ 530	φ 630	φ 900	φ 1060
通道直径/Process bowl width C(mm)	φ 220	φ 252	φ 264	φ 390	φ 445
分选口宽度/Unload width D(mm)	250	266	287	430	450
总高度/Machine height H1(mm)	880	940	920	1200	1500
工件出口高度/Unload height H2(mm)	760	780	760	960	1220
磨料出口高度/Media unload height H3(mm)	290	360	260	410	550
电机功率/Motor (kw)	1.5/2.2	3.0	3.7/5.0	5.5/7.5	11.0
整机重量/Weight(kg)	280	460	600	1500	2470

## 直口带分选振动光饰机

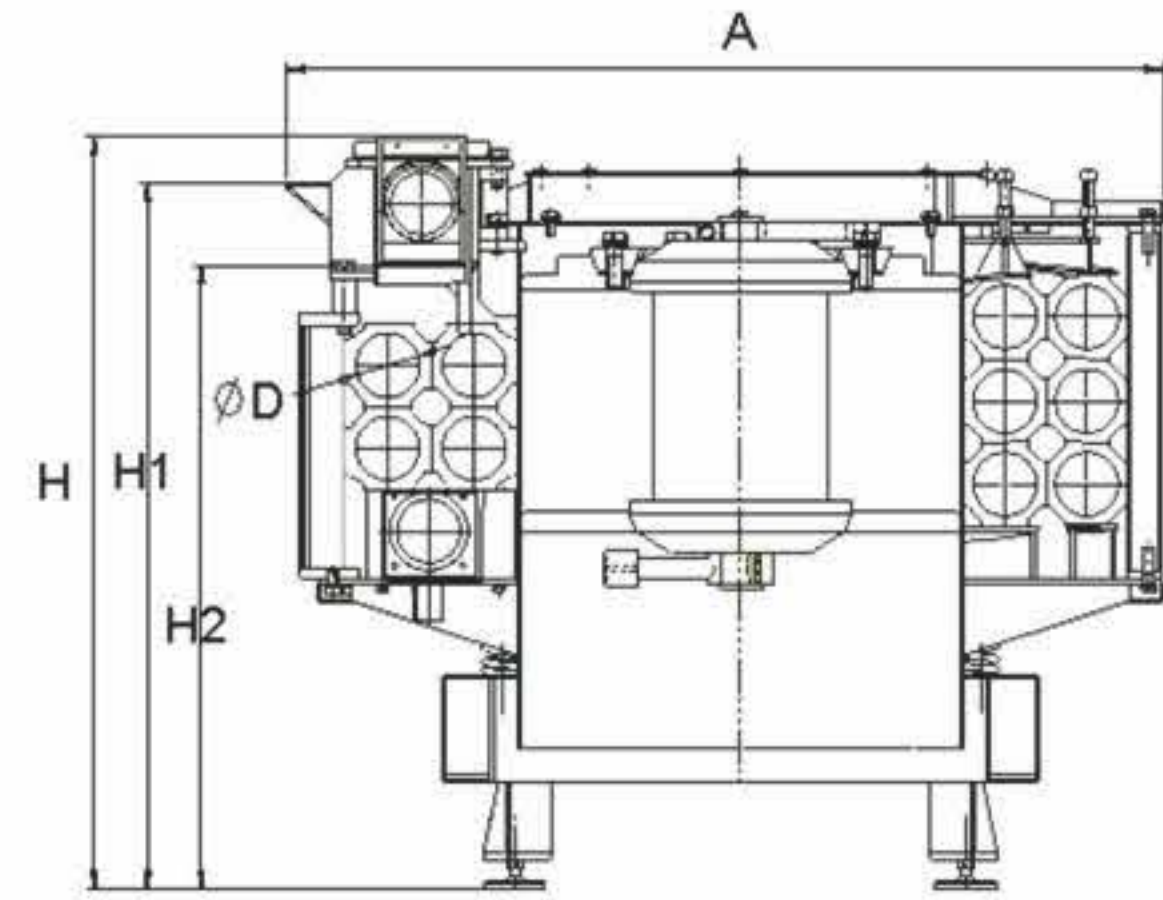
U shape bowl with separating unit vibratory machine



### 技术参数/Technical Data:

型号 Model	LZG(B)100	LZG(B)150	LZG(B)200	LZG(B)300	LZG(B)400	LZG(B)600
总容积/Total volume(L)	100	150	200	270	480	660
最大外形/Max overall dimension A(mm)	1080	1170	1200	1370	1430	1860
中筒直径/Motor installation tube B(mm)	φ 460	φ 460	φ 530	φ 630	φ 630	φ 900
通道直径/Process bowl width C(mm)	φ 220	φ 260	φ 252	φ 275	φ 330	φ 390
分选口宽度/Unload width D(mm)	250	210	250	320	380	470
总高度/Machine height H1(mm)	980	860	940	960	1270	1140
工件出口高度/Unload height H2(mm)	800	710	770	760	1090	925
磨料出口高度/Media unload height H3(mm)	470	440	360	290	570	400
电机功率/Motor (kw)	1.5/2.2	2.2	3.0	3.7/5.0	5.0	5.5/7.5
整机重量/Weight(kg)	280	320	460	650	780	1180

## 螺旋管式振动机 Spiral tube vibratory finishing machine



### 特点/Feature:

1. 有进料口与出料口，较易实现自动化；
2. 管槽内衬使用PU树脂，使得耐磨性能大大提高；
3. 管槽全长18米，振动传达效率较高，使机器的加工能力大大提升
4. 管槽内工件随磨料强制上升与下降流动，可以实现重振动压研磨；
5. 可以处理精抛的工件，工件表面无磨痕；
6. 可以通过半透明槽外观察槽内工件的流动情况；
7. 加工时间连续可调；
8. 与其他精细研磨方式相比更省空间；
9. 管槽可以方便地分割和清洗；

1. With feeding entrance and exit area, easy to realize automation with conveyor belt and other systems.
2. Spiral tube with durable PU lining.
3. Overall length of spiral tube 18 m, with high conveyer speed, can significantly improve processing capability.
4. Parts within spiral tube forced flow up and down, easy to realize heavy grinding performance.
5. Able to process delicate part without scratching.
6. Able to see observe how part flow through semitransparent spiral tube.
7. Processing time adjustable.
8. Space saving and compact design compared with other fine grinding process.
9. Spiral tubes can be easily disassembled and cleaned.

### 技术参数/Technical Data:

型号 Model	容量 Total volume (L)	最大外形A Max overall dimension (mm)	总高度H Machine height (mm)	进料口高度H1 (mm)	出料口高度H2 (mm)	螺旋管内径D (mm)	电机功率 Motor (kw)	整机重量 Weight (kg)
LZG170	170	1453	1300	1210	1080	φ 105	5.5	1200

## 滚筒式光饰机 Rotary barrel polisher



### 特点/Feature:

1. 带有变频调速，保证运转平稳及加工工件的一致性；
2. 配备有卸料斗，方便操作，提高工作效率；
3. 可设计成双联滚筒，加工量大；
4. 操作方便，可以24小时连续操作；
1. Posses of frequency converter, time controller, ensuring operation process steady and uniform finishing quality.
2. High efficiency discharging door, easy to operate.
3. Optional double barrel, designed for large quantity or different lots.
4. Convenient to operate, can continuously work for 24 hours.



### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸Size L x W x H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	内衬厚度(mm) Lining thickness
WGP25	25	680 x 700 x 750	0.55	100	85	8
WGP50	50	730 x 720 x 1200	1.1	150	60	8
WGP100	100	1020 x 900 x 1300	1.1	200	40	10
WGP200	200	1090 x 1000 x 1420	2.2	500	30	10
WGP300	300	1450 x 1000 x 1420	2.2	560	30	10
WGP500	500	1660 x 1300 x 1520	5.5	1000	25	10

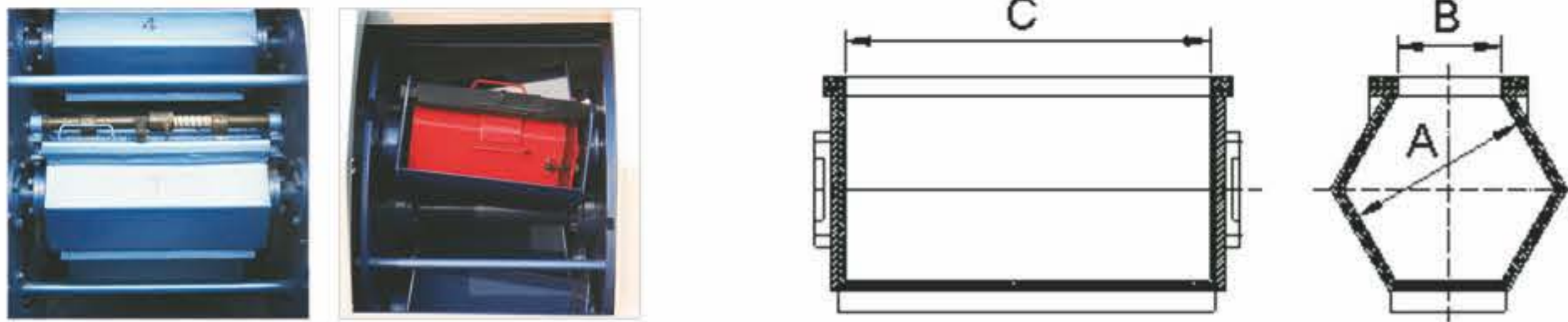
## 双联式滚筒光饰机 Double rotating barrel polisher



### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸Size L x W x H(mm)	功率(kw) Motor	速度(rpm) Speed	内衬厚度(mm) Lining thickness
WGP140 x 2	140 x 2	2570 x 850 x 1267	3.0	40	10
WGP300 x 2	300 x 2	3000 x 1300 x 1450	4.0	30	10
WGP500 x 2	500 x 2	3870 x 1150 x 1420	7.5	25	10

# 行星式滚抛机 Centrifugal barrel finishing machine



### 技术参数/Technical Data:

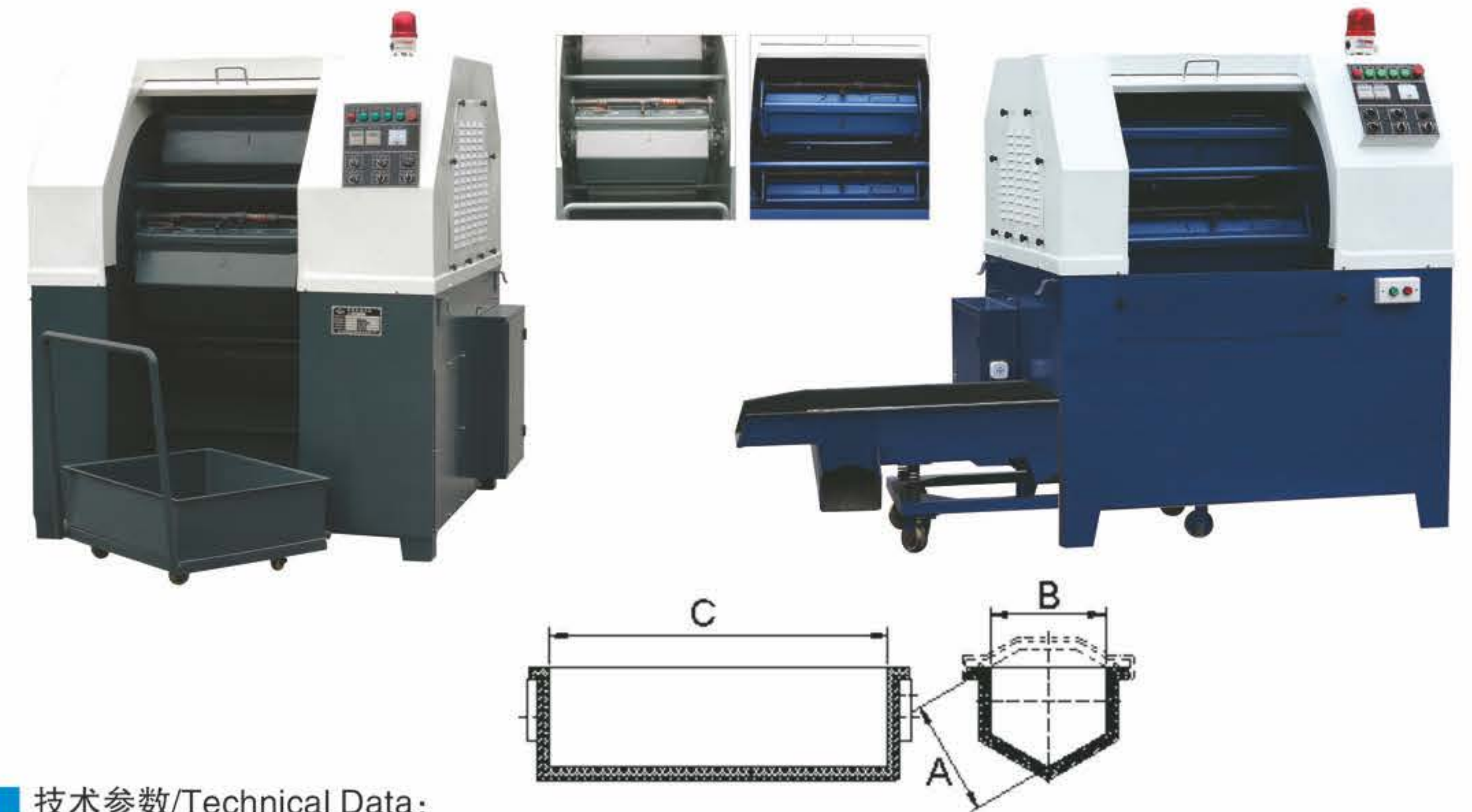
型号 Model	容量(L) Capacity	外形尺寸Size L x W x H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	料斗回转半径 (mm)	料斗内部尺寸 A x B x C
XGP30A	30	1020 x 990 x 1270	2.2	485	0-170	215	170 x 98 x 301
XGP30D	28	1300 x 1240 x 1545	2.2	520	0-170	215	170 x 88 x 261
XGP36A	36	930 x 1130 x 1440	2.2	530	0-170	275	183 x 106 x 310
XGP60	60	1310 x 1364 x 1584	4.0	800	0-160	283	196 x 110 x 394
XGP60X	60	1570 x 1478 x 1642	4.0	850	0-160	310	196 x 110 x 394
XGP80	80	1440 x 1500 x 1760	5.5	1000	0-140	325	224 x 126 x 445
XGP80X	80	1580 x 1660 x 1810	5.5	1100	0-140	350	224 x 126 x 445
XGP120	120	1610 x 1700 x 1950	5.5	1300	0-120	352	268 x 158 x 440
XGP160	160	1650 x 1870 x 1780	11.0	1650	0-103	382	282 x 167 x 578
XGP200	200	1650 x 1870 x 1780	11.0	1870	0-103	382	314 x 168 x 580
XGP320	320	1680 x 2200 x 1850	11.0	2800	0-88	446	371 x 340 x 600

### 适用范围/Applications:

行星式滚抛机适用于机械，电子，仪器仪表日用五金，饰物，工艺品的各种中小零件的去毛刺，倒圆角及光亮抛光。  
Centrifugal barrel finishing machines apply in machinery & electronic component, instrument and apparatus, jewellery, arts etc small and medium size parts deburring, rounding and polishing

### 特点/Feature:

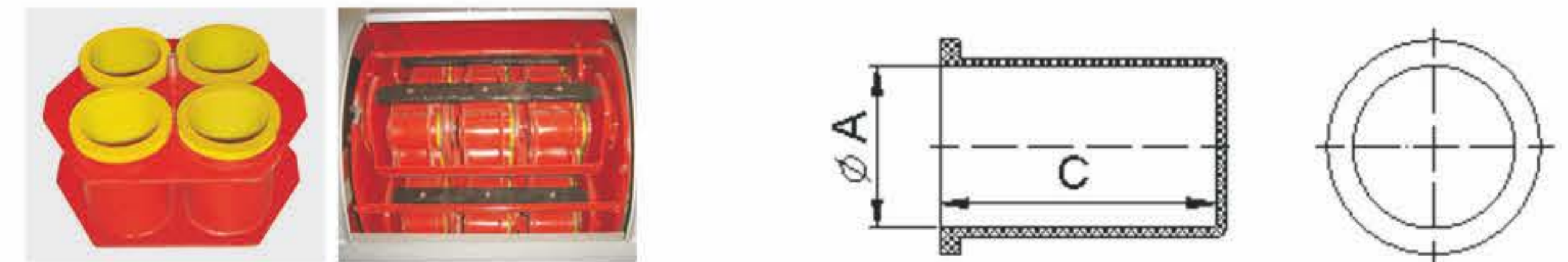
- |                            |  |
|----------------------------|--|
| 1. 超厚PU浇注固定筒，耐磨损；          | High wear resistant thermal-set PU lining barrel                                 |
| 2. 可选8° 倾斜式内挂滚筒，可有效提高工作效率； | Optional 8° high efficiency tilt barrel  |
| 3. 采用变频调速器，刹车马达，可使运转平稳；    | Adopt frequency converter, brake motor ensuring finishing machine works steadily |
| 4. 配有时间控制器，有效调控机器运转时间；     | Time controller sets operation time accurate to minute                           |



### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸Size L x W x H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	料斗回转半径 (mm)	料斗内部尺寸 A x B x C
XGP80B	80	1700 x 1450 x 1800	5.5	1100	0-154	283	200 x 200 x 585

A: 料筒可取出 D: 料筒固定 X: 料筒斜置



### 技术参数/Technical Data:

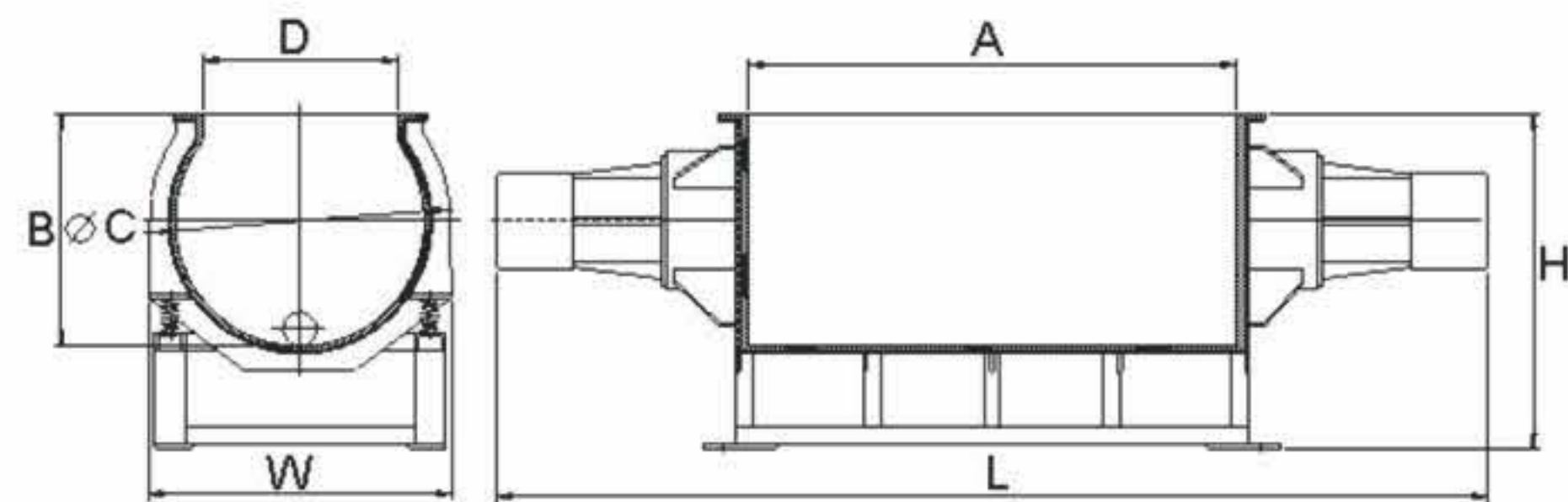
型号 Model	容量(L) Capacity	外形尺寸Size L x W x H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	料斗回转半径 (mm)	料斗内部尺寸 A x C	小料斗数量
XGP40	40	1425 x 1000 x 1400	4.0	800	0-220	244	φ 85 x 145	48个

## 圆弧边直线振动光饰机 Curved wall linear type vibratory finishing machine



### 特点/Feature:

1. 介质与工件的翻滚流动较好
2. 可以使用钢珠作为抛光介质，如XZG240和XZG500型圆弧直线振动光饰机，加工长型工件。
1. Compared with U shape linear type vibratory finishing machine, have better media/part relative movement and flow.
2. Can use stainless ball as grinding media, especially for XZG240 and XZG500 series curved wall linear type vibratory finishing machine.



### 技术参数/Technical Data:

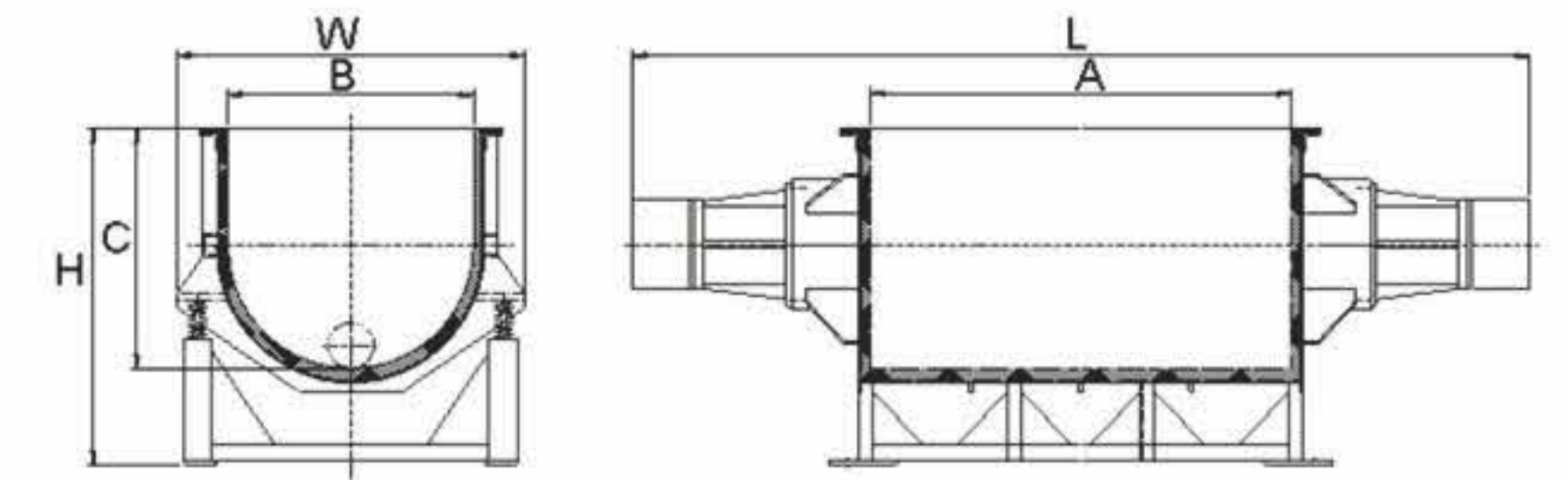
型号 Model	XZG(A)240	XZG(A)500	XZG(A)750
总容积(L)/Total volume	240	500	750
最大外形(mm)/Max overall dimension	1880 × 880 × 920	2870 × 880 × 920	3354 × 880 × 920
内腔长度A(mm)/Chamber length	690	1310	2000
内腔高度B(mm)/Chamber height	625	625	625
内腔直径φC(mm)/Chamber diameter	670	670	670
上口宽度D(mm)/Feeding entry width	524	524	524
衬胶厚度(mm)/PU Lining thickness	16	16	16
电机功率(kw)/Power	1.1 × 2	2.2 × 2	2.2 × 2
整机重量(kg)/Weight	450	1000	1600

## 直口边直线振动光饰机 U shape linear type vibratory finishing machine



### 应用范围/Applications:

发动机机壳，发动机油体壳，大理石板材，电子元件基盘等中到大型工件的光整处理。  
Engine housing, engine shell, marble sheets and chassis parts etc medium to large size components surface treatment.



### 特点/Feature:

1. 具有可移除的隔板，可用于处理容易相互碰伤的工件或不同类型的工件；
2. 通过电气控制系统实现半自动化，在石材类抛光中大大提高工作效率；
3. PU内衬，有高度耐磨的性能；
4. 机壳容器体上有两个马达，提供平稳均匀的振力。
1. Apply dividing bulkheads to create independent treatment areas inside the tank, possible to process delicate components or components of different lots.
2. Realizing semi-automation through electronic controlling system and greatly improve work efficiency in stone surface finishing.
3. Steel vibrating tank lined with polyurethane.
4. Two vibrating motors fixed sideways, equipped with adjustable weights, providing stable vibratory force.

### 技术参数/Technical Data:

型号 Model	XZG(B)500	XZG(B)900	XZG(B)1200	XZG(B)1800	XZG(B)2800
总容积(L) Total volume	500	900	1200	1800	2800
最大外形(mm) Max overall dimension	2670 × 1000 × 985	2700 × 1050 × 1100	3000 × 1050 × 1100	3500 × 1336 × 1256	3300 × 1830 × 1740
内腔长度A(mm) Chamber length	1310	1200	2000	2000	1580
内腔高度B(mm) Chamber height	700	850	850	940	1270
内腔直径φC(mm) Chamber diameter	690	900	750	1120	1500
衬胶厚度(mm) PU Lining thickness	25	25	25	25	25
电机功率(kw) Power	2.2 × 2	4.0 × 2	4.0 × 2	5.5 × 2	9.0 × 2
整机重量(kg) Weight	700	900	2100	2800	4000



## 流动式光饰机 Centrifugal disc finishing machine



### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸Size L×W×H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	内腔尺寸A(mm) Chamber dimension	PU厚度(mm) PU thickness
LDG50A	50	1390×700×1240	1.5	400	50-180	460	22
LDG50	50	1000×660×1120	1.5	300	50-180	460	22
LDG120	120	1740×900×1470	4.0	600	50-160	640	26
LDG230	230	1620×1008×1135	7.5	1100	0-140	800	30

### 技术参数/Technical Data:

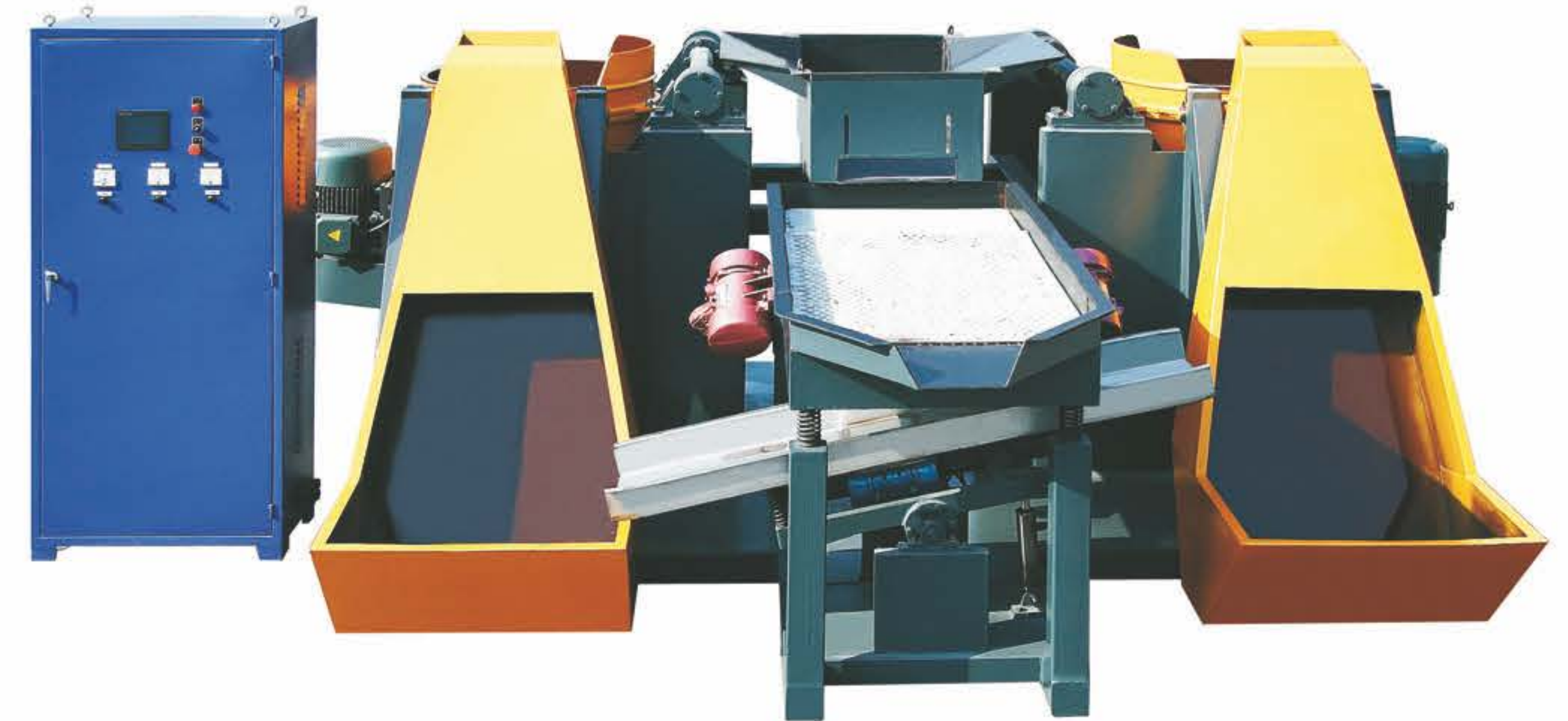
型号 Model	总容积(L) Total volume	主电机(kw) Power of the motor	主轴转速(r/min) Rotary speed	翻转电机(kw) Unload motor	卸料角度 Unloading tilt angle	外形尺寸(L×W×H) mm Dimensions	整机重量(kg) Weight of the machine
LDG 50S	50	1.5	50-180	0.37	105°	1230×750×1730	300



### 技术参数/Technical Data:

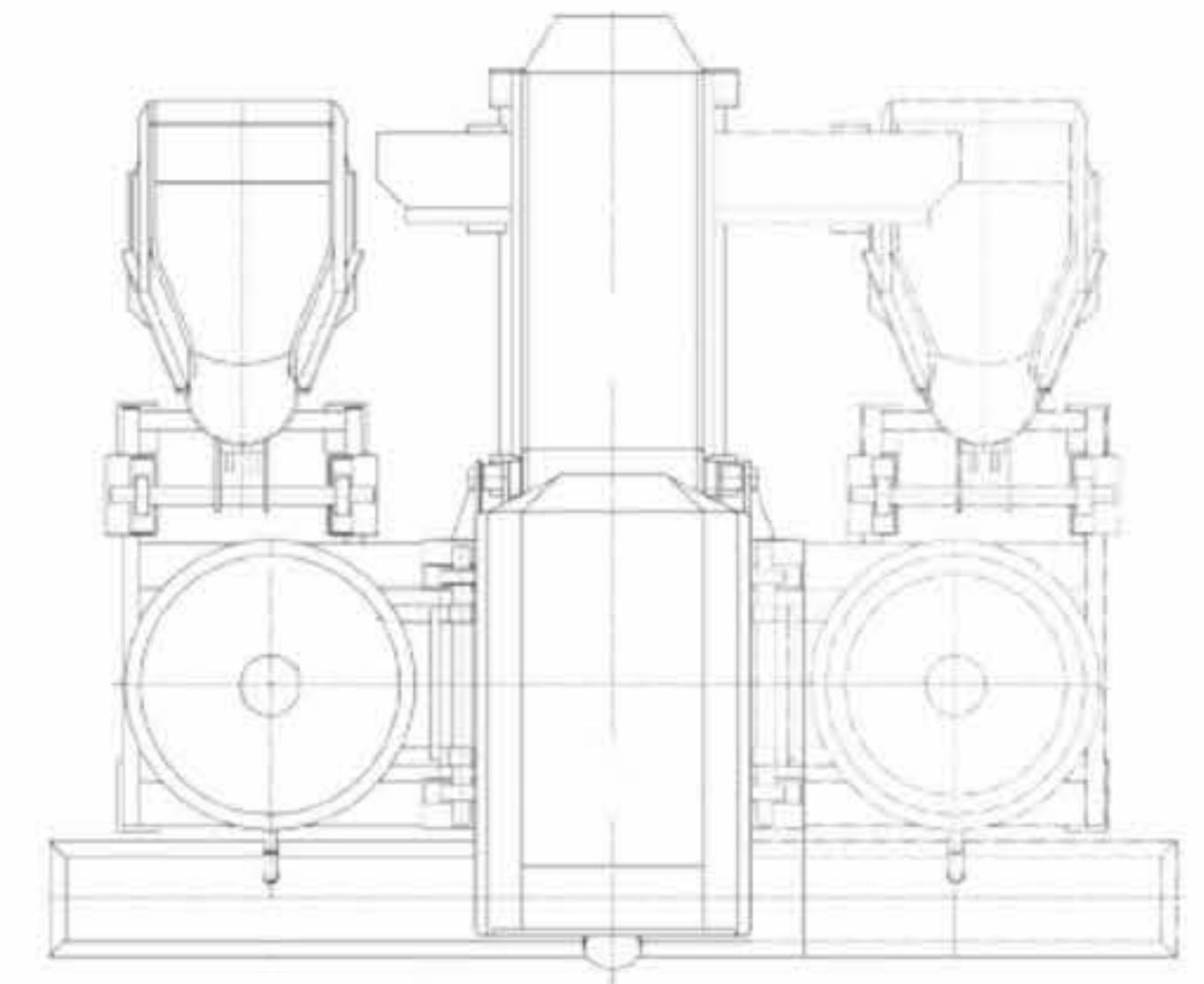
型号 Model	容量(L) Capacity	外形尺寸Size L×W×H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	内腔尺寸A(mm) Chamber dimension	PU厚度(mm) PU thickness
LDG50AB	50	1565×660×1300	1.5	450	50-180	460	22
LDG50B	50	1010×660×1220	1.5	350	50-180	460	22
LDG120B	120	1700×1380×1410	4.0	1100	0-160	640	26
LDG230B	230	2450×1700×2000	7.5	2000	0-140	800	30

## 全自动双联流动式光饰机 Fully automatic double centrifugal disc finishing machine



### 特点/Feature:

1. 滚磨作用力大，加工效率高；
  2. 可供选择的加工范围广；
  3. 加工循环从上料→给水→滚磨→排水→分离→水洗→排料，易于实现自动化，故与前后工序的衔接性好，便于形成生产自动线；
  4. 噪声低，无振动，无工作液飞溅，作业环境较好；
  5. 超厚PU内衬耐磨擦损；
1. High process grinding performance compared with typical vibratory finishing process.
  2. Wide range processing possibility.
  3. Part feeding, watering, grinding, drainage, screening to discharging, easy to realize automation.
  4. Low noise, no machinery vibration, environmental friendly.
  5. Durable thick PU lining.



### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸Size L×W×H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed	内腔尺寸A(mm) Chamber dimension	PU厚度(mm) PU thickness
LDG120Q	120	2060×1700×1300	4.0	1100	0-180	640	26
LDG230Q	230	3200×2700×1800	7.5	2000	0-160	800	30
LDG120Q×2	240	3650×2200×1350	4.0×2	2020	0-180	640	26
LDG230Q×2	460	4500×3340×1800	7.5×2	4000	0-160	800	30

## 高精度流动式光饰机 High precision centrifugal disc finishing machine



### 特点/Feature:

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. 紧凑的结构设计，适用于湿磨和干磨</li> <li>2. 采用超厚耐磨PU筒体/转盘</li> <li>3. 采用高耐磨陶瓷/钨合金垫圈结构</li> <li>4. 独特的间隙调整结构</li> <li>5. 运转速度可连续调节，具有定时工作及正反转功能</li> <li>6. 自动循环水处理系统</li> </ol> | <ol style="list-style-type: none"> <li>1. Compact design suit both wet and dry process</li> <li>2. Process containers with hot molded PU lining</li> <li>3. The bearing selected the wear resistant ceramic/ tungsten alloy ring</li> <li>4. High quality gap adjusting system</li> <li>5. Speed control with frequency inverter</li> <li>6. Automatic water recycling device</li> </ol> |
|--|--|

### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸(Size) L×W×H(mm)	功率(kw) Motor	重量(kg) Weight	速度(rpm) Speed
VA20	20L	720×800×1450	0.75kw	140	450
VA20/2	20×2L	1180×800×1450	2×0.75kw	235	450
VA20/3	20×3L	1700×800×1450	3×0.75kw	330	450
VA38	38L	900×820×1450	2.20kw	220	400
VA38/2	38×2L	1500×820×1450	2×2.20kw	370	400
VA38/3	38×3L	2150×820×1450	3×2.20kw	530	400
Va50	50L	1450×2000×2350	2.2kw	650	380

## 多槽流动式光饰机 Multi-barrel polisher



### 特点/Feature:

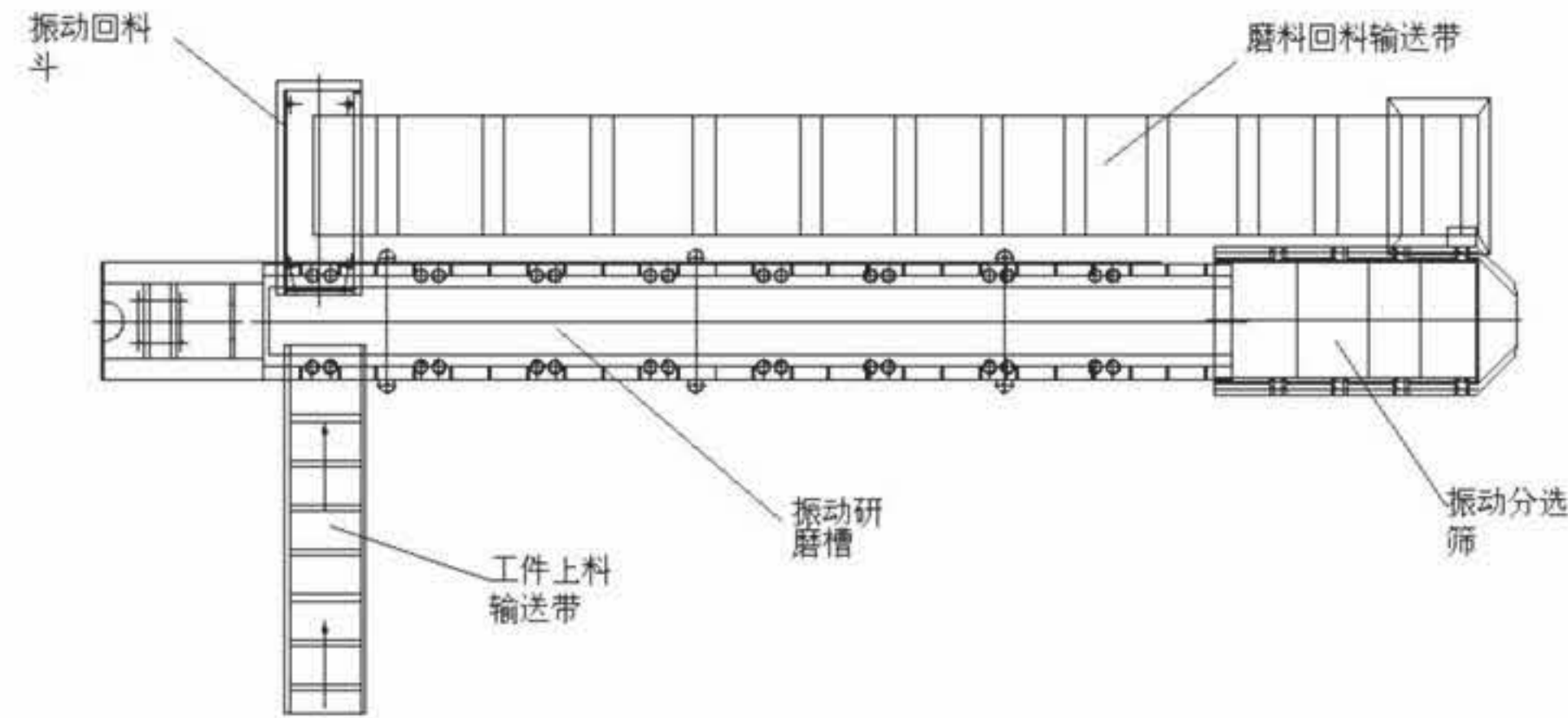
本光饰机有一个干研磨槽和两个湿研磨槽，可分别完成不同种类工件的加工。它具有结构紧凑合理，操作方便，调速范围大，翻转灵活，倾倒角度大，运转平稳，研磨效率高等特点。用本光饰机加工，可以在很短的时间内达到理想的效果，可提高粗糙度2级以上，特别适用于多品种、小批量工件的研磨加工。

Multi-barrel polisher has a dry grinding barrel and two wet grinding barrels, able to process different lots of parts at the same time. With compact mechanical design, one can easily realize functions with high efficiency and steady operation. With multi-barrel polisher, one can get desirable result in short time, especially for small-lot multi variety parts' grinding and polishing.

### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	外形尺寸Size L×W×H(mm)	功率(kw) Motor	速度(rpm) Speed	内衬厚度(mm) Lining thickness
LDG 6×3	6×3	1385×660×1315	0.37×3W	400	12

## 直线通过式抛光机 Linear type vibratory finishing machine



### ■ 特点/Feature:

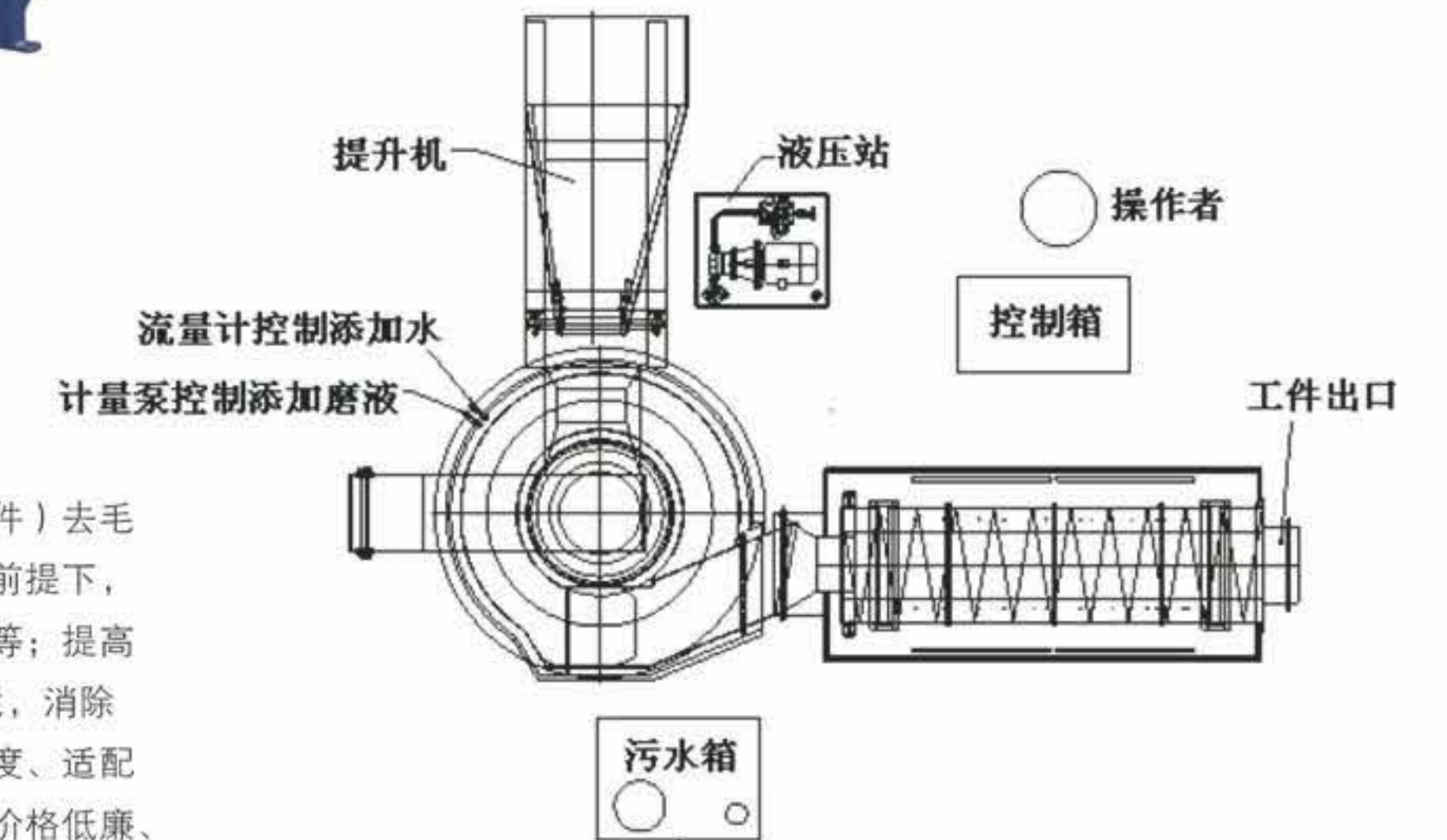
1. 本生产线将零件去毛刺加工、清洗、防锈上油、烘干一次性完成。
2. 生产线的构成：投料输送机、直线型振动机、混合液自动调配系统、磨料产品分选机、清洗及防锈上油装置、缓冲机、磨料返回输送机、中央控制柜、上水及排水系统、网带式烘干机十大部分组成，全部作业由可变频程序控制器(PLC)完成。
3. 主电机采用变频电机，由变频器调速。
4. 最为先进的振动系统，可调性振幅以达到最佳工作状态。
5. 采用混合液自动调配系统，供给设备工作时所需的混合液。
6. 电磁阀排除污水。
7. 上水，混合液供给，排污水，清洗均实现自动化。
8. 本生产线 2-3人操作，适应于24小时作业。
9. 所有控制线缆通过电缆桥架进入中央控制柜。

1. Linear type vibratory finishing machine combined all surface finishing process including deburring, polishing, cleaning, de-oxidation and drying.
2. Linear type vibratory finishing machine comprised of media feeding system, linear processing chamber, central lubrication system for the turning over devices, media/part separation screen devices, rinsing & oiling device, worn out/undersize media separation device, media transportation system, watering/drainage system and central control system. All functions can be realized with PLC.
3. Advanced vibratory system, vibration parameters adjustable to optimal state.
4. Electronically controlled, demand oriented lubrication system for the turning-over devices.
5. Solenoid valves controlled water drainage system.
6. Watering, compound supplying, used water drainage, rinsing has realized automation.
7. Linear type vibratory finishing machine operated with 2-3 staffs can continuously run for 24 hours.
8. All cables connect to central control system through cable tray.

### ■ 技术参数/Technical Data:

型号 Model	研磨槽容量(L) Capacity	零件磨块装入量 Working capacity	容器内部尺寸 Channel size	主电机功率 Motor	转速(rpm) Speed	设备重量 Weight	占地面积(Area) L×W×H
LTG6500	1460	900L	6500×450×600	22.0kw	1470 r/min	6300kg	9500×4200×2700 mm

## 研磨烘干线 Grinding & heating production line



### ■ 适用范围及性能/Applications:

本生产线的目的是用于各种金属零件（大批量的小型零件）去毛刺、清洗及烘干。在不改变工件原有尺寸及配合精度的前提下，彻底去除零件表面的毛刺、飞边、棱边倒圆、锐边钝化等；提高表面粗糙度等级1级左右；改善零件表面的物理机械性能，消除表面残余拉应力，增加表面耐磨层厚度，提高表面的硬度、适配性，延长零件的使用寿命。该设备操作简单，无污染、价格低廉、生产效率高的工艺设备。

Applied to all kinds of metal parts (especially large lot small size parts) deburring, cleaning, and drying. While maintaining parts original size and surface roughness remove surface defects and rounding, improve surface physical mechanical properties, remove surface residual tensile stress, improve surface wear resistance and hardness. This grinding & heating production system is user friendly, no-pollution, cost-effective and high productivity.

### ■ 技术参数/Technical Data:

主电机功率/Main motor	7.5 kw
转筒烘干机电机功率/Rotary dryer motor	0.75 kw
转筒烘干机加热功率/Rotary dryer heating motor	12.0 kw
液压泵站功率/Hydraulic pump motor	3.0 kw
污水泵功率/Sewage pump motor	0.25 kw
研磨机尺寸(L×W×H)/Grinding machine size	2330×1740×1670mm
电控柜尺寸 /Electronic control cabinet size	900×500×1800 mm
污水箱尺寸/Sewage water container size	1000×500×480 mm
烘干机尺寸 /Dryer size	2700×1000×1640 mm
加料机尺寸 /Media feeder size	1970×850×1800 mm
机床总占地尺寸 /Area	5000×4300×3310 mm
机床总重量/Gross weight	3500 kg

## 离心式烘干机 Centrifugal dryer



### 技术参数/Technical Data:

型号 / Model	LH400A	LH400B	LH500A	LH500B
内篮尺寸 / Dimension of basket	φ 400 × 300mm	φ 380 × 280	φ 500 × 400mm	φ 480 × 280 mm
内篮容积 / Volume of basket	0.035m <sup>3</sup>	0.035 m <sup>3</sup>	0.075m <sup>3</sup>	0.075m <sup>3</sup>
工作容积 / Working capacity	35kg or 1/3筒高(height of basket)	35kg or 1/3 of capacity	75kg or 1/3筒高(height of basket)	75kg or 1/3筒高(height of basket)
工作温度 / Working temperature	50°C~70°C	50°C~80°C	50°C~70°C	50°C~80°C
内篮转速 / Speed of rotation	552转/分(r/min)	552转/分(r/min)	300转/分(r/min)	300转/分(r/min)
电机转速 / Speed of motor	1430转/分(r/min)	1430转/分(r/min)	1430转/分(r/min)	1430转/分(r/min)
电机功率 / Motor	0.75kw	0.75kw	1.1kw	1.5kw
加热功率 / Motor	3.6kw	1.8kw	3.5kw	3kw
外形尺寸 / Dimension of machine	735 × 780 × 750mm	780 × 600 × 750 mm	850 × 900 × 880mm	1000 × 800 × 860 mm
整机重量 / Weight of machine	150kg	161kg	230kg	242 kg

## 带热风离心式烘干机 Centrifugal dryer with hot-blast air

### 特点/Feature:

1. 在离心甩干的基础上加大热风流量，热风机吹入热风带走离心烘干机中的热蒸汽，提高烘干效率，使烘干更彻底。
  2. 结束烘干工序前，从热风切换至冷风，待工件与磨料冷却后取出，避免在取出时发生烫伤。
1. Centrifugal dryer with hot-blast air is based on typical centrifugal dryer. With large hot air flow, hot steam in centrifugal dryer can be blew away, thus achieve better drying performance with high efficiency.
  2. Before finishing drying process, swift hot-blast air to cold-blast air. After parts and media completely cool down then one may take them out.



### 技术参数/Technical Data:

型号 / Model	LH400B	LH500B
内篮尺寸 / Dimension of basket	φ 380 × 280mm	φ 480 × 280mm
内篮容积 / Volume of basket	0.035m <sup>3</sup>	0.075m <sup>3</sup>
工作容积 / Working capacity	35kg or 1/3 height of basket	75kg or 1/3 height of basket
工作温度 / Working temperature	50°C~80°C	50°C~80°C
内篮转速 / Speed of rotation	552转/分 r/min	300转/分 r/min
电机转速 / Speed of motor	1430转/分 r/min	1430转/分 r/min
电机功率 / Motor	0.75kw	1.5kw
加热功率 / Motor	4.8kw	9kw
外形尺寸 / Dimension of machine	780 × 600 × 750mm	1000 × 800 × 860mm
整机重量 / Weight of machine	161kg	242kg

## 振动式烘干机 Vibratory dryer



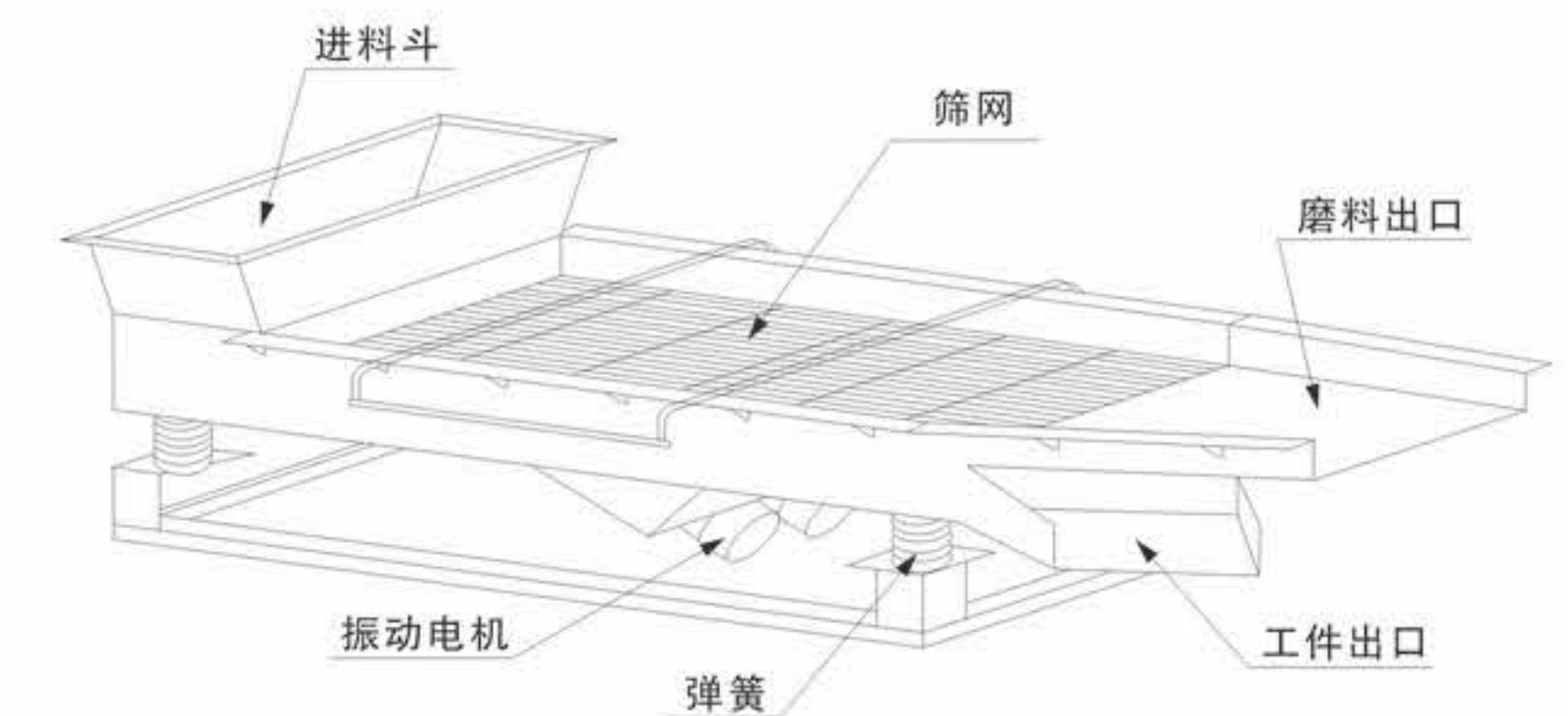
### 特点/Feature:

1. 研磨介质在机器流动中重复回收利用；
  2. 工件均匀地分布在烘干机的内部通道中；
  3. 配有防尘盖，可有效减少干燥工序中产生的灰尘；
  4. 兼有抛光和烘干效果；
  5. 进料口出料口的设计便于与前后工序相衔接，实现生产自动化。
1. Drying media within machine flows and recycled.
  2. Parts evenly distribute among inner channel of vibratory dryer.
  3. Dust cover with integrated suction fan and dust collector.
  4. The constant relative movement between parts and medium has not only a drying but also a polishing effect on the parts.
  5. Parts feeding opening and discharging opening design easy to connect with other working process, easy to realize production automation.

### 技术参数/Technical Data:

型号 Model	容量(L) Capacity	内衬厚度(mm) Lining thickness	净重(kg) Net weight	电机功率(kw) Motor Power	加热功率(kw) Heating power	通道宽度(mm) Process bowl width	外形尺寸(mm) 长×宽(L×W) Size
ZDHG150	150	20	300	2.2	6.0	260	1900 × 1000
ZDHG600	600	20	1200	5.5	9.0	400	1900 × 1700

## 振动分选筛 Vibratory Separator



### 技术参数/Technical Data:

名称规格/Name specifications	ZS35	ZS50	ZS100
外形尺寸/Dimension of machine	1320 × 622 × 800	1750 × 640 × 900	2900 × 910 × 880
电机功率/Motor	0.125kw × 2	0.25kw × 2	0.37kw × 2
重量/Weight	90	160	500
备注/Note	筛网孔眼可定制/Sieve mesh can be customized.		

## 拖动式光饰机 Drag finishing machine



### 适用范围/Applications:

本机适用于高附加值的敏感部件，表面形貌复杂的部件，以及硬质材料的抛光整形。例如医疗器械，涡轮叶片，精密压缩机，泵部件，硬质金属部件/材料等。

The drag finishing system is specially designed for surface finishing of delicate components, parts with complex geometry and extremely hard materials. For examples medical machineries, turbine blades, precision compressor and pump parts, parts made from hard metals and materials, etc.

### 特点/Feature:

本机抛光效率高，适用于硬质材料的抛光。可提供振动光饰机40倍左右的磨削能力。

抛光过程中，各个工件分别被夹持固定住，因此不会相互碰撞擦伤。

Compared with mass typical vibratory finishing process drag finishing can provide up to 40 times higher grinding performance

The components are attached to special fixtures and "dragged" in a planetary movement through a bed of grinding or polishing media.

The components are individually attached onto fixtures and, therefore, cannot impinge on each other.

### 技术参数/Technical Data:

研磨槽容量 /Capacity	100L
每次加工量 /Working capacity	23件 (加一个搅拌器)
主电机功率 /Main motor	2.2kw
升降机功率 /lifting motor	0.37kw
工件夹头转速 /Speed	0~160转/分(rpm)
外形尺寸 /Dimension of machine	1020×860×1840mm
机器重量 /Gross weight	450kg

## 卧式轴类专用光整系统 Horizontal type shaft polishing system



### 使用范围及性能/Applications:

适用于轴，杆，套类零件的光整加工。在不改变工件原有尺寸及配合精度的前提下，彻底去除零件表面的毛刺，飞边，棱角倒圆，锐变钝化等；提高表面粗糙度1级左右；改善零件表面的物理机械性能，消除表面残余拉应力，增加表面耐磨层厚度，提高表面的硬度，适配性，延长零件的使用寿命。

Applied to all kinds of shafts, poles, covers parts surface treatment. Polishing, grinding, rounding and deburring without change parts original size and surface roughness. Can also improve parts surface physical mechanical performance, remove surface remaining tensile stress, improve surface wear resistance and hardness.

### 结构与工作原理/Principal of operation:

工件水平放置装夹在主轴和顶尖间，由升降机构带动，插入料箱磨料中，主轴带动工件旋转。而料箱带动磨料，磨料作钟摆式往复运动，从而使磨料与工件表面产生挤压，刮擦等，实现对工件的微切削高效加工。并且通过回转和往复运动不同的速度配比，使不同形状的零件获得最佳的光整效果。

During operation, parts are fixed in the main axis and drive up/down by lifting device. When parts merge into tank full of grinding media, parts rotate along its own axis and media tank move back and forth, thus achieve high efficiency micro cutting. Also adjusting rotary/linear movement speed, parts with different material/geometry may achieve optimal finishing quality.

### 技术参数/Technical Data:

加工直径范围 /Processing diameter	≤ 320 mm
加工长度范围 /Processing length	500 ~ 1200 mm
主轴数量 /Working capacity	2根
主轴电机功率 /Main motor	5.5 kw
料箱电机功率 /Media container motor	7.5 kw
液压泵站功率 /Hydraulic pump motor	3.0 kw
循环水处理系统功率 /Water purification motor	0.8 kw
主机尺寸(L×W×H) /Dimension of machine	2750×1970×2920mm
电控柜尺寸 /Electronic control cabinet size	900×500×1800 mm
循环水处理系统尺寸 /Water purification system size	1700×1506×800 mm
料车尺寸 /Media container size	2180×2200×1480 mm
机床总重量 /Gross weight	4500 kg



质量方针：  
依托技术创新 发展高效产品  
坚持质量改进 超越顾客期望



## 陶瓷磨块 Ceramic Media



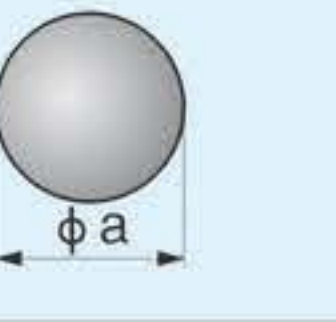
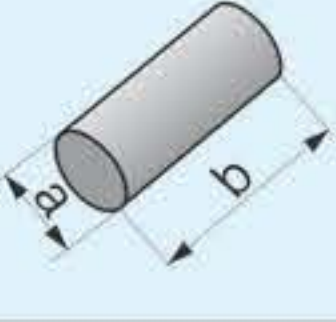

HUMO	Quality 磨削等级	Shape 形状	Ball 球		SCT 正三角		ACT 斜三角		SCC 正圆柱		ACC 斜圆柱	
			$\phi a$ (mm)		$a \times b$ (mm)		$a \times b$ (mm)		$a \times b$ (mm)		$a \times b$ (mm)	
	VFC (Very Fast Cutting) 超粗磨	2.58	1	14	2×2	10×10	2×2	30×30	3×6	25×25	2×5	12×25
			2	15	3×3	15×15	3×3	35×35	4×6		3×6	14×20
	FC (Fast Cutting) 粗磨	2.53	3	16	3×6	18×18	3×6	40×40	5×10		4×8	15×25
			4	18	4×4	20×15	4×4		7×13		6×12	15×30
	GC (General Cutting) 普通	2.51	5	22	4×6	20×20	4×8		8×8		6×16	15×38
			6	25	4×8	25×25	6×6		12×12		8×16	15×38
	MC (Medium Cutting) 中磨	2.50	8		6×6	30×30	15×15		12×25		10×12	40×40
			10		8×8	35×35	20×20		20×20		10×16	
	LC (Light Cutting) 细磨	2.44	12		10×7	40×40	25×25		22×22		10×20	
	P (Polishing) 抛光	2.60										
	FP (Fine Polishing) 精抛光	2.70										

### 陶瓷磨块 Ceramic Media

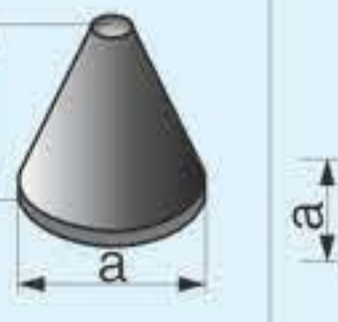
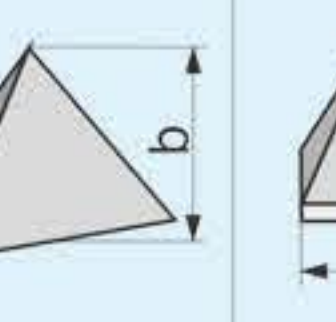
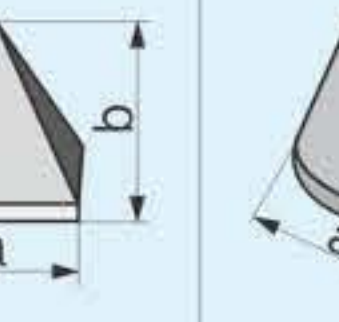
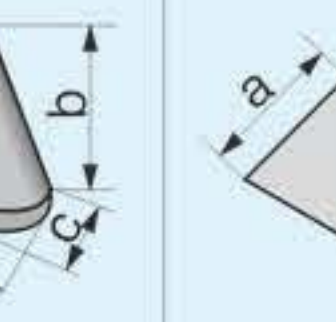






HUMO	Quality 磨削等级	Shape 形状					
			Specific Weight 比重 g/cm³	ACTS 斜三星 a × b (mm)	SCTS 正三星 a × b (mm)	ACE 斜椭圆柱 a × b × c (mm)	SCE 椭圆柱 a × b × c (mm)
	VFC (Very Fast Cutting) 超粗磨	2.58	4 × 4 22 × 10	4 × 4 22 × 10	8 × 3 × 8	8 × 3 × 8	13 × 16
	FC (Fast Cutting) 粗磨	2.53	5 × 5 22 × 22	5 × 5 22 × 22	10 × 5 × 10	10 × 5 × 10	19 × 22
	GC (General Cutting) 普通	2.51	6 × 13 28 × 10	6 × 13 28 × 10	15 × 7 × 15	15 × 7 × 15	25 × 30
	MC (Medium Cutting) 中磨	2.50	5 × 10 35 × 16	5 × 10 35 × 16	25 × 15 × 25	25 × 15 × 25	30 × 30
	LC (Light Cutting) 细磨	2.44	7 × 10	7 × 10			35 × 38
	P (Polishing) 抛光	2.60	10 × 16	10 × 16			
	FP (Fine Polishing) 精抛光	2.70	16 × 6	16 × 6			
			16 × 16	16 × 16			
			22 × 8	22 × 8			

### 高比重磨块 High density media



HUMO	Quality 磨削等级	Shape 形状		
			Specific Weight 比重 g/cm³	Ball 球 φ a (mm)
	SFP (Super Fine Polishing) 超级精抛光	2.9-3.4	Can be customized 可定制	1.3 × 3 3 × 10 1.7 × 5.2 3.5 × 10 2 × 8 4.5 × 14 2.5 × 8 7 × 23

### 树脂抛磨块 Plastic Media

HUMO	Quality 磨削等级	Shape 形状						
			Specific Weight 比重 g/cm³	Cone 圆锥体 a × b (mm)	Tetrahedron 四面体 a × b (mm)	Pyramid 金字塔 a × b (mm)	Paraboloid 椭圆锥 a × b × c (mm)	ACT 斜三角 a × b (mm)
	PL-F 重切削	1.80	6 × 6 10 × 10 12 × 12 15 × 15 15 × 18	10 × 10 15 × 15 20 × 20 23 × 23 25 × 25	6 × 6 10 × 10	38 × 35 × 20 50 × 50 × 30 67 × 63 × 37	25 × 40	
	PL-M 中切削	1.67	20 × 20 25 × 25 30 × 30 35 × 35	30 × 30 35 × 35 45 × 45 60 × 60				
	PL-L 轻切削	1.56	40 × 40 45 × 45 50 × 50 60 × 60	80 × 80 100 × 100				
	Media Color 磨块颜色	墨绿/棕黄/粉红/蓝色/咖啡色/黑色/白色 (可定制)。 Dark green /Dark brown /Pink/blue /Coffee color /Black /White (Can be customized)						
	Special Shape 特殊形状	三星锥 Tristar pyramid						

注：特殊规格可以来样定做/Specied size can be customized



## 特殊抛磨块 Special Media

Steel Ball (球形钢珠)	Steel Satellite(碟形钢珠)	3P(颗粒型)

Different sizes are available on request 尺寸可以定制

## 抛光液 Polishing Compound



## 光亮剂类 Polishing Compound



型号 Series	光饰机 Finishing machine	处理材质 Suitable material	抛磨块 Media	形态 Form	PH 3% PH 3%	添加量g/l Dosage g/l	研磨 Grinding performance	抛光性能 Polishing performance	清洗性能 Cleaning performance	备注 Remark
HM-3	行星式振动式 滚筒流动式 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	铁、锌、 锌合金、 轴承钢等 Iron, Zn, Zinc Alloy, Bearing Steel	精抛 Fine Finishing	液体 Liquid	6.5	3-15	+	++	+	
HM-2	行星式振动式 滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel	铝、铝合金、 不锈钢 Aluminum, Aluminum Alloy, Stainless Steel	精抛 Fine Finishing	液体 Liquid	8.5	3-15	+	++	+	
HM2-1	行星式 振动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel	黄铜、紫铜 等铜合金 Brass, Red Copper etc. Copper Alloy	精抛 Fine Finishing	液体 Liquid	8.8	3-15	•	++	+	
HM-7C	行星式振动式 滚筒流动式 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	不锈钢、 铁、轴承 钢、铝 Stainless Steel, Iron, Bearing Steel, Aluminum	精抛磨块 钢珠 Fine Polishing Media; Steel Ball	液体 Liquid	1.7	3-15	•	++	+	
HM-7	行星式 振动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel	不锈钢、 铁、铜、 锌等锌合金 Stainless Steel, Iron, Copper, Zinc and other Zinc Alloy	精抛 Fine Finishing	液体 Liquid	8	3-15	•	++	+	
HM-9A	行星式振动式 流动式 Vibratory machine, Centrifugal Barrel machine, Single Barrel	不锈钢、铝 Stainless Steel, Aluminum	精抛磨块 钢珠 Fine Polishing Media; Steel Ball	液体 Liquid	1.7	3-15	•	++	+	

## 研磨液类 Grinding Compound

型号 Series	光饰机 Finishing machine	处理材质 Suitable material	抛磨块 Media	形态 Form	PH 3% PH 3%	添加量g/l Dosage g/l	研磨 Grinding performance	抛光性能 Polishing performance	清洗性能 Cleaning performance	备注 Remark
HM-9D	行星式振动式 流动式 Vibratory machine, Centrifugal Barrel machine, Single Barrel	轴承钢、 铁、铜 Bearing Steel, Iron, Copper	中抛磨块 精抛磨块 Medium /Fine Polishing Media	液体 Liquid	2.3	2-10	+	++	+	
LC-10	行星式振动式 流动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	轴承钢、 铁、铜、铝 Bearing Steel, Iron, Copper, Aluminum	中抛磨块 粗抛磨块 Medium/ General Polishing Media	液体 Liquid	8.1	2-10	++	•	+	
LC-13	行星式振动式 流动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	轴承钢、 铁、铜、铝 铝合金、 锌合金 Bearing Steel, Iron, Copper, Aluminum Alloy, Zinc, Zinc Alloy	中抛磨块 粗抛磨块 Medium/ General Polishing Media	液体 Liquid	8.3	2-10	++	+	+	

## 清洗剂类 Cleaning Agent

型号 Series	光饰机 Finishing machine	处理材质 Suitable material	抛磨块 Media	形态 Form	PH 3% PH 3%	添加量g/l Dosage g/l	研磨 Grinding performance	抛光性能 Polishing performance	清洗性能 Cleaning performance	备注 Remark
HX-0	行星式振动式 流动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	不锈钢、铁 Stainless Steel, Iron	中抛磨块 精抛磨块 Medium /Fine Polishing Media	液体 Liquid	2.2	1-10	++	+	++	与HM-3合用 对不锈钢抛光 很好 If use together with HM-3 could achieve better polishing performance for stainless steel

## 防锈剂类 Anti-Rust Agent



型号 Series	光饰机 Finishing machine	处理材质 Suitable material	抛磨块 Media	形态 Form	PH 3% PH 3%	添加量g/l Dosage g/l	研磨 Grinding performance	抛光性能 Polishing performance	清洗性能 Cleaning performance	备注 Remark
MC-8		钢、铁、 铸铁 Steel, Iron, Casting Iron		液体 Liquid	8.3	50-100	•	•	+	浸泡 Soaking
MC-9	振动式 流动式 Vibratory machine, Centrifugal disc machine	钢、铁、 铸铁 Steel, Iron, Casting Iron	中抛磨块 粗抛磨块 Medium/ General Polishing Media	粉体 Powder	8.1	2-10	+	•	++	配液浸泡 和粗抛 Soaking and general polishing

## 特殊类 Special Category

型号 Series	光饰机 Finishing machine	处理材质 Suitable material	抛磨块 Media	形态 Form	PH 3% PH 3%	添加量g/l Dosage g/l	研磨 Grinding performance	抛光性能 Polishing performance	清洗性能 Cleaning performance	备注 Remark
BL-1	行星式振动式 流动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	各类材质薄 片类工件 Thin work pieces of all materials	中抛磨块 粗抛磨块 精抛磨块 Fine/ Medium/ General Polishing Media	粉体 Powder		10-20				防止薄片 工件粘片 Prevent thin work piece from sticking together
HM-A	行星式振动式 流动式 Vibratory machine, Single Barrel, Centrifugal disc machine	铁、扳手及 同类材质 Iron, Spanner, ect.	中抛磨块 粗抛磨块 Medium/ General Polishing Media	液体 Liquid	4.5	50-100	++	•	+	
HM-P	行星式振动式 流动式滚筒 Vibratory machine, Centrifugal Barrel machine, Single Barrel, Centrifugal disc machine	铁、铜、铝 等各类材质 Iron, copper, Aluminum, etc.	核桃壳 Nutshell	固体 Solid		50-100	•	++	•	

包装(Package): 50或25kg塑料桶(20/25kg plastic barrel) ++ 特别适合或性能优异(Very well suited)  
+ 适合或性能平均(Suitable) ● 不适合(Unsuitable)