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CE Certification



ISO 9001



ISO 14001



ISO 45001

INNOBIZ
기술혁신형중소기업

INNO-BIZ

Specialized company of mass finishing machine,
Lapping & Polishing machine

DCM Co., Ltd.



DCM

SINCE 1980

DCM Co., Ltd.



a Future leading company with creativity and advanced technology

DCM Co., Ltd. considers the benefits both of customers and society as the priority





Greetings



CEO **DCM Co., Ltd.**

李在書

DCM Co., Ltd. is a company dedicated to the development of surface treatment equipment and automation equipment for various metal and non-ferrous metals for the past 40 years.

Since being established in 1980, DCM has grown into a highly respected manufacturer specializing in mass finishing machine, lapping & polishing machine.

We pride ourselves on being a steady partner in improving the productivity and quality of our customers.

We effort to provide more perfect product to our customers.

DCM has contributed to improving the trade balance through import substitution and export by localizing mass finishing machines used for metals and non-ferrous metals.

Under the management policy of “Respect for humanity, technological innovation, goal achievement, and complete of responsibility” and the motto of “decision and execution”, with the belief that continuous technology development is the only way to survive in a competitive society.

All employees work together to provide first-class quality products to customers.

We, DCM Co., Ltd. will do our best to help our customers to improve their productivity and upgrade product quality to the next level under the quality policy of “Providing the best quality to customers”.

We ask for your continued interest and encouragement in the future.



Company location



DCM HEAD OFFICE IN KOREA

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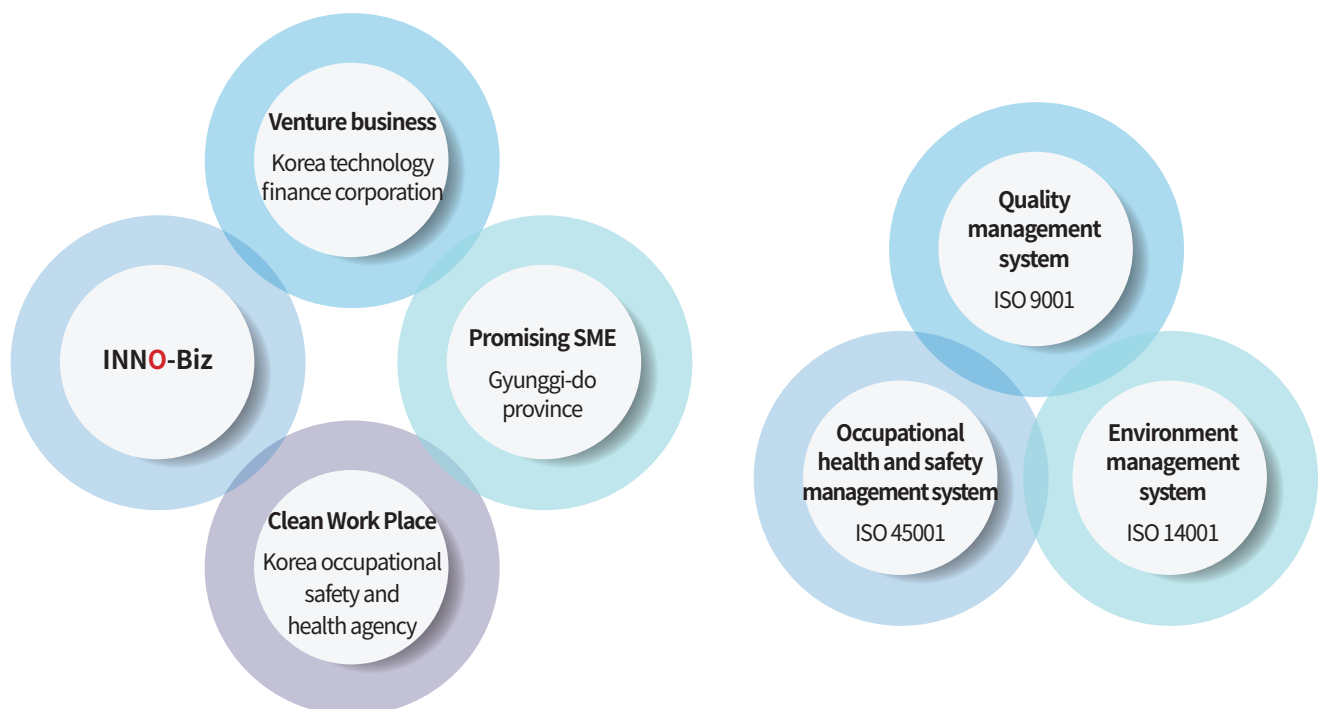
DCM QINGDAO CHINA

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Certifications of quality

- Technology
- Managements





Intellectual property right



Patents

- Spire vibratory feeder
- Finishing system
- Multiple-axis finishing system of aluminium wheel
- Home position stop system for lapping machine
- Drag finishing machine for aluminium wheel
- Centrifugal barrel finishing machine with divider type
- Adjusting gap system for centrifugal disc finishing machine
- Maximizes performance for large-capacity&high-speed centrifugal barrel finishing machine



Utility models

- Clamp support angle adjustment system for aluminum wheel finishing machine
- Material alignment system of finishing machine transport container
- Cooling system of vibrating motor for vibrating finishing machine
- Electronic break system of centrifugal barrel finishing machine
- Gap adjusting system of the ring in the Barrel finishing machine



Trademarks

- Z-FINISH
- DLP
- DPI



Overseas network of DCM



Company history

1980 – 1999

- 1980. 02.** • Established daechang machine (Guro-dong)
- 1986. 01.** • Incorporation of going business, Daechang machine Co. Ltd. (Doksan-dong)
- 1987. 10.** • Registered trade mark, 'Z-FINISH'
- 1994. 10.** • Korea industrial award (Localization of machinery)(No.2790)
- 1998. 06.** • Venture business (1st)
- 08.** • Certificated of CE mark (DLM-093DPG-E, Double-side lapping machine) (TUV, M9866095 E 01)
- 09.** • Iron tower order of industrial service merit (Development of advanced capital goods) (No.1319)

2000 – 2004

- 2000. 11.** • Relocated head office&factory to shiwha industrial complex (2-Ma 610-1)
- 2001. 07.** • Changed company name to DCM Co. Ltd.
- 08.** • Established company R&D center (Korea industrial technology association, No.20011354)
- 11.** • Presidential citation (Commercialization of new technology) (No.133765)
- 12.** • Certificated of ISO 9001:1994
- 2002. 06.** • Established the chinese factory
- 2003. 09.** • Certificated of INNO-BIZ
- 12.** • Certificated of EM
- 2004. 09.** • Silver tower order of industrial service merit to CEO Jaeseo Lee(Development of advanced capital goods) (No.796)



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DCM Co., Ltd.



2005 – 2015

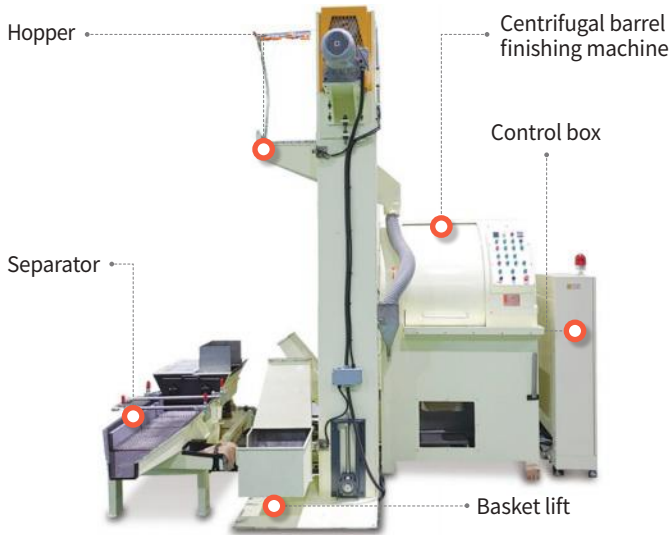
- 2005. 06.** • New construction of office building and factory in Dangjin-city
- 2008. 08.** • Acquired invention patent (Barrel and barrel finishing machine) (Patent No. 10-0856008)
- 12.** • Developed large-capacity individual barrel structure centrifugal finishing machine
- 2014. 03.** • New construction head office in Ansan-city (Current location)

2016 – 2021

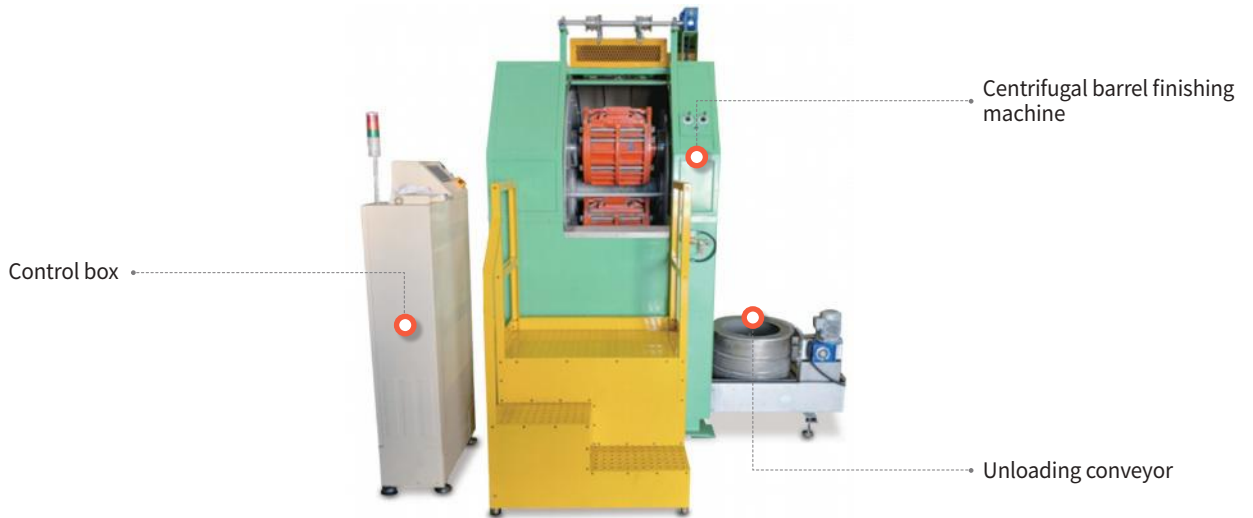
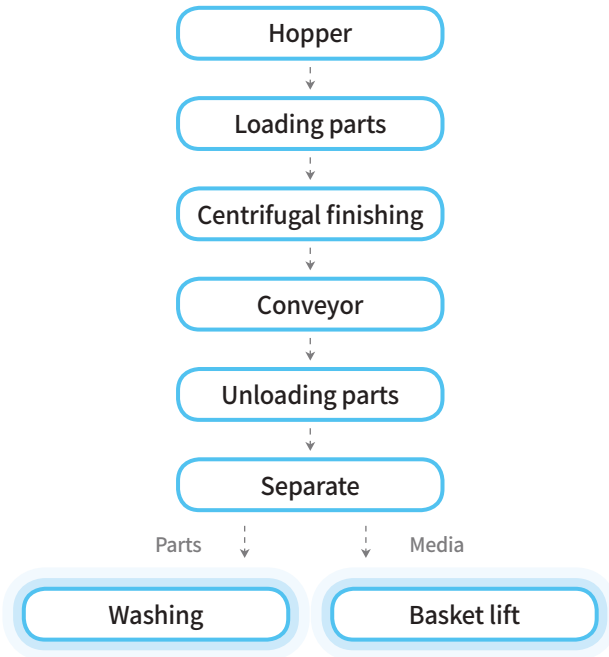
- 2018. 10.** • ISO 45001 certificated (AS-18J021)
• ISO 9001:2015 certificated (AQ-08L261/5)
• ISO 14001:2015 certificated (AE-09I071/4)
- 2019. 09.** • Maximizes performance for large-capacity&high-speed centrifugal barrel finishing machine
- 2020. 04.** • Registration of invention patent (Adjusting gap device for centrifugal disc finishing machine) (Patent No. 10-2104612)
- 2021. 01.** • Certificated of CE : Vertical motor (Three phase induction motor)
No. : ICR Polska/VC/S210102
- 04.** • Patent : Large-capacity high-speed centrifugal polishing machine that maximizes polishing performance (No. 10-2245474)



Centrifugal barrel finishing machine



Automation line of centrifugal barrel finishing machine
HZ-80A



Centrifugal barrel finishing machine
HZ-240HP



Specification of centrifugal barrel finishing machine



HZ-12



HZ-30 S



HZ-30 F



HZ-80 SP



HZ-80 2C



HZ-330 2S SP



HZ-500



HZ-750 A

Specification of centrifugal barrel finishing machine, HZ-MINI-TYPE

Inverter and stainless steel frame are optional.

Model	Machine Size (mm)			Barrel Pot (mm)			Main motor (HP)	RPM	Total Capacity (ℓ)	Weight (Kg)
	Width	Length	Height	Width	Length	Height				
HZ-4				185	185	170	2	310	4	300
HZ-8	960	770	1,100	210	210	170	2	310	8	350
HZ-12				230	230	170	2	310	12	400

Specification of centrifugal barrel finishing machine

Inverter and stainless steel frame are optional.

This high-speed barrel machine is driven by centrifugal force.

Four hexagonal barrels are attached to the rotary barrel plate and the barrels are rotated in the opposite direction when the turret rotates is driven.

Closed barrels containing parts, media and water are fixed to turret. These all together create an extremely powerful tumbling action by centrifugal force.

Model	Machine size (mm)				Barrel pot (mm)			Main motor (HP)	RPM	Total capacity (ℓ)	Weight (Kg)
	Width	Length	Height	Height (HZ-SP)	Width	Length	Height				
HZ-30S	1,080	960	1,235		105	300	210	3	180	30	550
HZ-30F	1,080	960	1,495		105	300	240	3	180	30	600
HZ-60	1,360	1,130	1,620	2,400	142	400	245	5	125	60	1,000
HZ-80	1,370	1,250	1,695	2,740	145	440	305	5	125	80	1,200
HZ-120	1,410	1,250	1,700	2,745	175	480	350	7.5	110	120	1,700
HZ-160	1,520	1,300	1,700	2,745	175	570	350	10	100	160	2,300
HZ-220	1,790	1,340	1,900	2,945	175	760	350	15	80	220	2,500

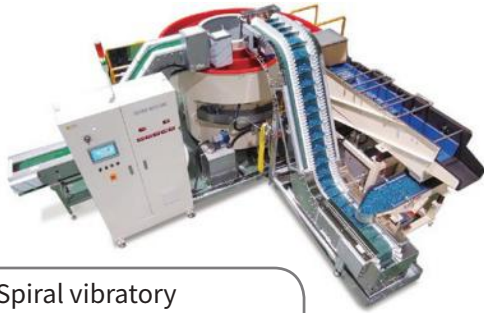
Specification of HZ-SEMI-AUTO LINE-TYPE

Inverter and stainless steel frame are optional.

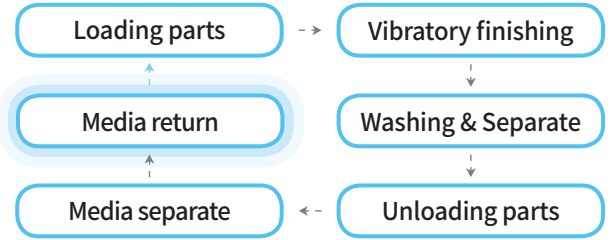
Model		HZ-80A	HZ-120A	HZ-160A	HZ-220A
Machine size	Width (mm)	2,625	2,625	2,800	3,000
	Length (mm)	1,250	1,250	1,300	1,340
	Height (mm)	3,690	3,690	3,770	3,870
Main motor (HP)		7.5	10	15	20
RPM		125	110	100	80
Total capacity (ℓ)		80	120	160	220



Vibratory finishing machine



Spiral vibratory finishing machine
DSV-800A



Loading parts
& Media

Vibratory finishing

Washing & Separate

Unloading parts

Drying

Automation Line of vibratory finishing machine
T-300A

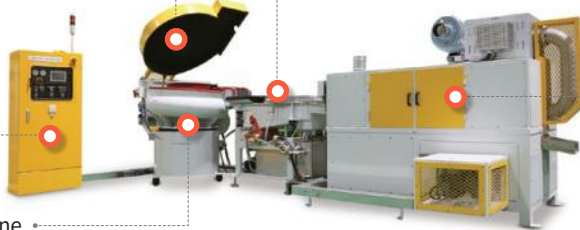


Control box

Sound-proof cover

Washing conveyor

Drum dryer



Vibratory finishing machine

Vibratory finishing machine line
ZA-600 LINE

Vibratory finishing machine

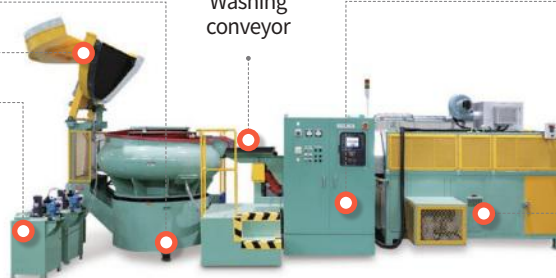
Sound-proof cover

Compound supply system

Washing conveyor

Control box

Vibratory finishing machine line
ZA-600 C LINE



Drum dryer



Specification of vibratory finishing machines



Z-20



T-20



ZA-100



ZA-200A



ZD-450



ZUD-600 10C



ZUD-600 12C



DSV-800

■ Specification of ZA&ZD type vibratory finishing machines

Additional tub for steel ball media, sound-proof cover, automatic compound supply system and inverter are optional.

This equipment is driven by a special vibratory motor causing a 3D vibration inside the tub.

The vibration makes vertical and horizontal torque among parts and media, and it results in finishing the external surface of workpiece.

Model	Z-20	ZA-50	ZA-100	ZA-200	ZA-300	ZA-450	ZA-600	ZA-900	ZA-1200
		ZD-50	ZD-100	ZD-200	ZD-300	ZD-450	ZD-600	ZD-900	ZD-1200
Capacity (ℓ)	20	50	100	200	300	450	600	900	1,200
Full diameter (mm)	440	830	1,050	1,350	1,500	1,800	2,030	2,200	2,500
Inner diameter (mm)	170	380	500	600	718	815	900	1,020	1,100
Width of the tub (mm)	110	140	190	230	260	280	290	320	350
Height (mm)	700	780	850	920	960	1,050	1,100	1,200	1,300
Type	Rubber (mm)	6~15t							
	PU (mm)	20t							
Motor (HP)	1/2	1	2	3	5	7.5	10	15	15
Weight (Kg)	70	200	400	700	900	1,500	1,800	2,200	2,800
Height of soundproof cover (mm)	1,630	1,630	2,450	2,550	2,950	3,350	3,500	3,750	3,950

■ Specification of T-type vibratory finishing machines

Additional tub for steel ball media, sound-proof cover, automatic compound supply system and inverter are optional.

T-type vibratory finishing machine works basically same as the ZA&ZD type and it works the best when the size of parts is big and long.

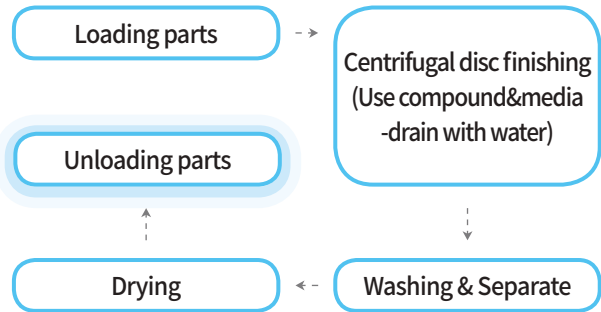
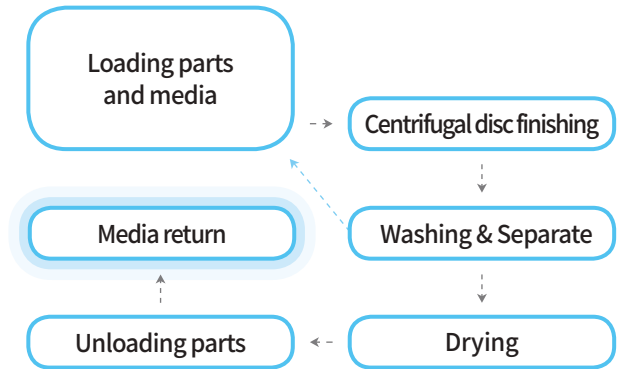
Model	T-20	T-40	T-100	T-200
Capacity (ℓ)	20	40	100	200
Width (mm)	270	350	400	450
Length (mm)	970	1,100	1,500	1,900
Motor (HP)	1/4	1/2	2	3
Weight (Kg)	80	180	400	600



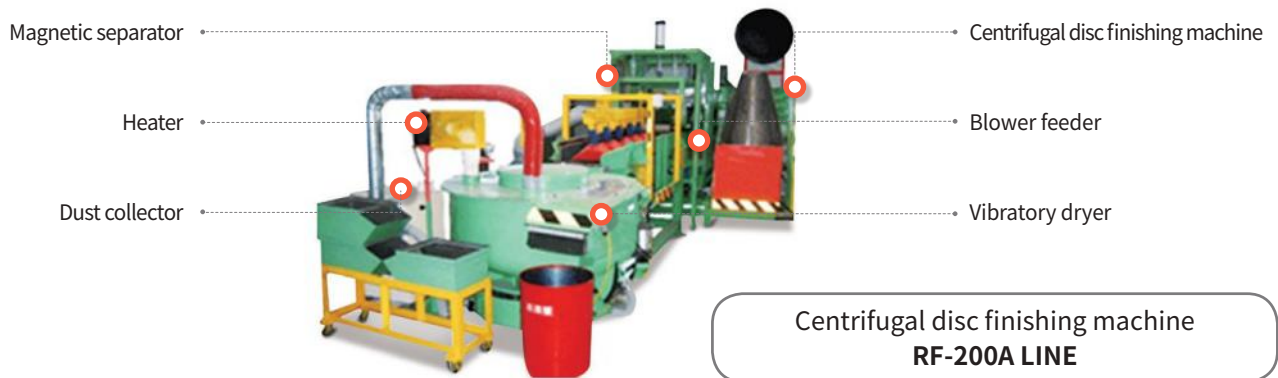
Centrifugal disc finishing machine



Centrifugal disc finishing machine automation line (Two tub type) **RF-400A 2S**



Centrifugal disc finishing machine automation line **RF-400A**



Centrifugal disc finishing machine **RF-200A LINE**



Specification of centrifugal disc finishing machine



RF-20



RF-50A



RFA-100



RF-200



RF-200SP



RF-300A



RF-400A



RF-400A LINE

■ Specification of centrifugal disc finishing machine

Additional tub and inverter are optional.

This centrifugal disc machine consists of fixed wall and bottom rotational disc. It uses a concave disc positioned at the bottom of a round work chamber to create powerful vortex action. When a concave disc rotates by the centrifugal force, the disc force the parts and media mass outward and upward where it encounters the side fixed-walls of the chamber.

The side fixed-walls work as a brake, causing the media mass to tumble back down and inward. The result is a powerful sliding and tumbling action that finishes and grind parts. Despite the advantages, this machine has some limitations regarding PU lining replacement due to easily worn-out gap and breakdowns caused by stuck parts and media in the gap between the side walls and the disc. Our centrifugal disc machine has overcome the limitations and reduced breakdowns.

Model	RF-20	RF-20x3 TUBS	RF-50	RF-100	RF-200
Tub Capacity (ℓ)	20	60	50	100	200
Finishing Capacity (ℓ)	12	36	30	60	120
Size of tub	-	-	Ø530 × 740H	Ø605 × 380H	Ø830 × 430H
Size of machine	Width (mm)	816	845	1,000	1,700
	Length (mm)	860	1,206	600	1,350
	Height (mm)	1,246	1,459	1,200	1,400
Motor (HP)	1	3	2	5	7.5
Weight (Kg)	300	900	500	700	900

■ Specification of centrifugal disc finishing machine, RF-A SERIES and AUTO LINE-TYPE

RF M/C, Separator, Washing separator, Compound supply system, Dryer and control box are optional.

Model	RF-100A	RF-200A	RF-300A	RF-400A
Tub capacity (ℓ)	100	200	300	400
Finishing capacity (ℓ)	60	120	180	270
Size of tub	Ø605 × 380H	Ø830 × 430H	Ø890 × 515H	1,600 × 575H
Size of machine	A	1,790	2,085	2,125
	B	2,180	2,645	2,850
	C	1,090	1,325	1,385
	D	1,865	2,200	2,325
	E	2,035	2,705	2,950
Motor (HP)	5	7.5	10	15
Weight (Kg)	1,700	2,700	3,000	4,000



Specification of rotatory barrel machine



B-100 (Octagonal)



B8-100 (Hexagonal)



B8-300 (Dia-octagonal)



TRB-120



B-300SP



B-300A



B-300 + VS-45



B-1200SP

■ Specification of B-Series rotatory barrel machine

Inverter, Separator, barrel divider and steel ball type are optional.

The rotatory barrel machine uses frictions by movement distance of the media and parts. The parts for general use and large amount of parts are good fit for this machine. Rotating speed and duration are important when running the machine.

Model	B-50	B-100	B-150	B-200	B-400
Tub Capacity (ℓ)	40	60	100	200	400
Size (mm)	785 × 836	885 × 940	960 × 1,100	985 × 1,100	1,220 × 1,450
Height (mm)	1,100	1,200	1,400	1,400	1,600
Barrel diameter (mm)	360	400	600	600	750
Barrel length (mm)	400	500	750	750	920
Motor (HP)	1/2	1	2	2	5
Weight (Kg)	120	160	300	300	600

■ Specification of TRB-Series rotatory barrel machine

Inverter, stainless steel frame are optional.

Model		TRB-150	TRB-350
Capacity (ℓ)		150	350
Size	Width (mm)	1,200	1,350
	Length (mm)	900	1,050
	Height (mm)	1,800	2,000
Motor (HP)		2	3
RPM		35	25
Weight (Kg)		600	850



SINCE 1980

DCM Co., Ltd.

Drag finishing machine



DGS - 200 1S



DGS - 230 4S



DDF - 80 24S



DWF - 2000 4S

Separator



Vibratory separator with magnetic



Vibratory separator with drum magnetic



Metalic powder vibratory separator



Fine powder sieving machine

Waste water treatment system



DCF-5, Filter press



DFC-1000 waste water treatment system + DCF-5, Filter press + Water collection & Recycling water tank



Dryer



HE-15



HE-18



HE-18 + Heat blower



HE-24



HE-26 centrifugal dryer with hot air blower



HE-26 centrifugal dryer with hot air blower (Basket type)



Washing & Drying auto line



Vibratory dryer with powder hot air blower



Vibratory dryer using corncob



Drum dryer with hot air



Drum dryer using corncob



Rotary barrel dryer with hot air



Lapping &
Polishing
machine



DLM-043



DLM-123



DPM-24P



DPM-32 AT



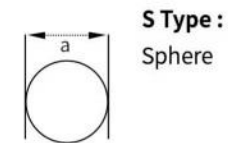
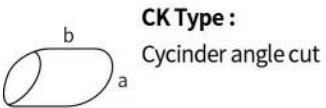
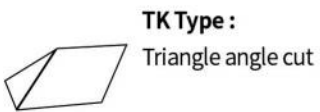
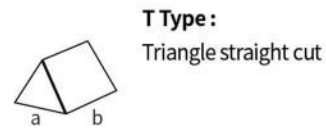
DPM-48 AT


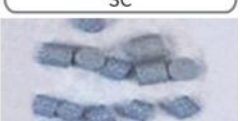




P-262



Finishing & Polishing media



HEAVY GRINDING	MEDIUM GRINDING	FINE FINISHING	LUSTER FINISHING
 TH	 TM	 TF	 TL
 TKH	 TKM	 TKF	 TKL
 CKH	 CKM	 CKF	 CKL
 SH	 SM	 SF	 SC
 DH4	 WEDGE	 STAR	 CKO
 CONE-XV	 CONE-X	 CONE-V	 CONE-O
 CONE-SX	 PL-TH/PL-TET	 PL-PYRAMID	 UP
 SB-ANGLE	 STEEL BALL	 SB-SPUTNIK	 SCX
 SOFT MEDIA-W	 SOFT MEDIA-C	 XA	 XM
 WOOD.D	 WOOD.D	 WOOD.C	 WOOD.P



Finishing & Polishing compound



ITEM MODEL	PROPERTY		MATERIALS OF PARTS								PURPOSE					OTHERS
	PH %	FORM	STEEL	STAINLESS	ZINC	ALUMINUM	COPPER	PLASTIC	TIN	JEWELRY	CUTTING	POLISH	DESCALING	DEGREASING	WASHING	
VF-77T	9.5	L			○	○	○			○	○				○	For copper washing
VF-100	9.5	L	○	○						○				○		Excellent for degreasing
VF-150	5	L	○	○			○			○	○			○		Excellent for steel
VF-900	4.5	L		○										○		Excellent for stainless
SE	7.2	L	○	○				○						○		Excellent for plastic
LL3-N	9.5	L	○	○							○			○		Washing
HBC-NP	9.5	P	○	○	○	○	○				○			○		All metals
DCP-25A	9.5	P				○			○					○		Degreasing
DCP-300A	9.5	P				○			○					○		Degreasing
RV-50	10	L	○						○					○		Degreasing
CM-100	11	P	○						○					○		Degreasing



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