



铠旋机械
KING METAL SPINNING

THE ART OF ROTATION

King Metal Spinning Co., Ltd.

Precision Metal Spinning · Flow Forming · Integrated Finishing

ISO 9001 Certified · Large Diameter (Ø3,000 mm) · Tolerance ± 0.1 mm

Get a Quote Within 24 Hours

No. 2, Jintai Road, North District, Shifang Economic Development Zone, Deyang, Sichuan, 618400, CN

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About Us

A Manufacturing Partner Built for Technical Demands

King Metal Spinning Co., Ltd. (铠旋机械) is a China-based precision metal spinning manufacturer, specializing in **precision metal spinning, flow forming and integrated finishing services** for rotationally symmetric components.

We serve **OEMs, engineering firms, and industrial buyers worldwide** with custom-engineered parts designed for demanding applications across **aerospace, automotive, medical, energy, and industrial equipment sectors**.

We deliver high-performance components with reliable quality, scalable production capacity, and global supply capability.



Ø3,000 mm

Max. Spinning Diameter

±0.1 mm

Tightest Part Tolerance

24 h

Quote Response Time

ISO 9001

Certified Quality

Capabilities at a Glance

Max. spinning diameter	Up to Ø3,000 mm	Large-diameter metal spinning specialist
Tightest part tolerance	±0.1 mm	Dimensional control on height
Materials	Stainless steel · carbon steel · aluminum · copper · nickel-based alloys	Including SUS304 / SUS316L / AL1060 / AL5052 / Q235B
Wall thickness range	0.5 – 20 mm	Aluminum up to 20 mm, stainless up to 8 mm
Equipment fleet	38 CNC machines	Spinning lathes, pipe spinning lathe, laser cutting
Quality system	ISO 9001 certified	Every size controlled, every part verified
Lead time	Fast turnaround, global delivery	Short lead times · quote within 24 hours

Industries Served

- Aerospace & Aviation
- Chemical
- Construction
- Machinery
- Luminaire
- Agricultural Machinery
- UHV Transmission
- Electronics
- Automation

Aerospace & Aviation

Precision-spun components for UAV, radar and aerospace systems — manufactured from copper and aluminum alloys with polished finishes.

Transmitter Shell



Industry	Aviation
Material	Copper
Thickness	2 mm
Coating	Polishing
Size	Ø182 × H320 mm
Description	A transmitter shell for UAV

Receiver



Industry	Aviation
Material	Aluminum alloy
Thickness	1.5 mm
Coating	Polishing
Size	Ø800 × H220 mm
Description	A receiver cover for the radar system

Engine Cowling



Industry	Aviation
Material	Aluminum alloy
Thickness	2 mm
Coating	Polishing
Size	Ø520 × H400 mm
Description	An engine cowling for the UAV

Corrosion-resistant spun parts in nickel-based alloys and SUS316L for chemical processing equipment.

Cavity Sleeve



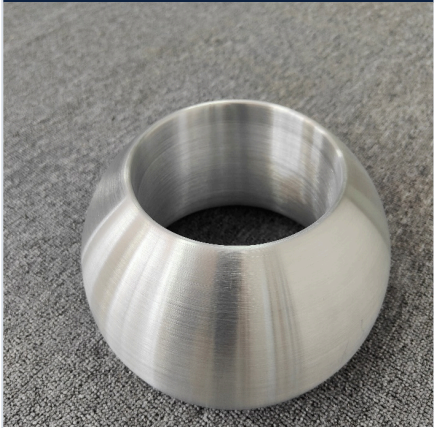
Industry	Chemical
Material	Nickel-based alloy
Thickness	4 mm
Coating	None
Size	Ø130 × H140 mm
Description	Cavity ring for chemical machines

Cover



Industry	Chemical
Material	Nickel-based alloy
Thickness	4 mm
Coating	None
Size	Ø215 × H40 mm
Description	Cover for chemical machines

Container

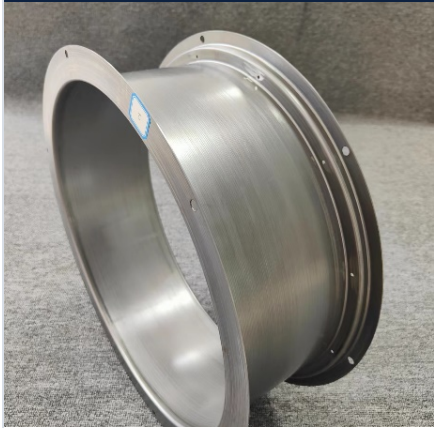


Industry	Chemical
Material	SUS316L
Thickness	5 mm
Coating	None
Size	Ø380 × H490 mm
Description	Container for chemical machines

Construction Industry

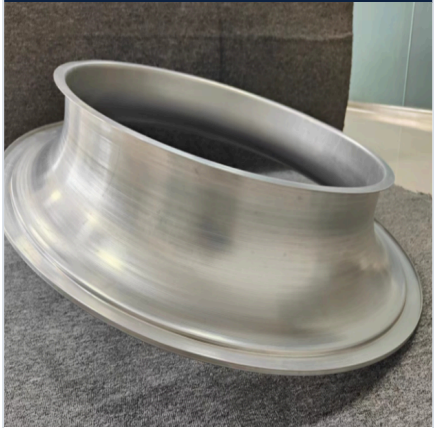
Ventilation, air distribution and fan components in aluminum and carbon steel for building systems.

630 Ventilation Outlet



Industry	Construction
Material	Aluminum
Thickness	2.0 mm
Coating	Wiredrawing
Size	Ø615 × H373 mm
Description	Ventilation outlet for construction

Distribution Ring



Industry	Construction
Material	Q235B carbon steel
Thickness	1.5 mm
Coating	None
Size	Ø464 × H158 mm
Description	Distribution ring for construction

Fan Casing

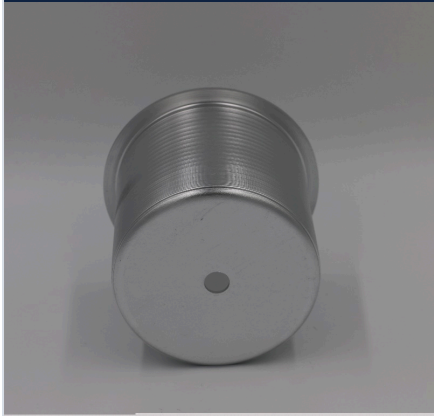


Industry	Construction
Material	Aluminum
Thickness	2.0 mm
Coating	Wiredrawing
Size	Ø1070 × H165 mm
Description	Fan casing for the construction industry

Machinery Industry

Durable spun components — sockets, caps and bases — in copper and carbon steel for mechanical applications.

End Socket



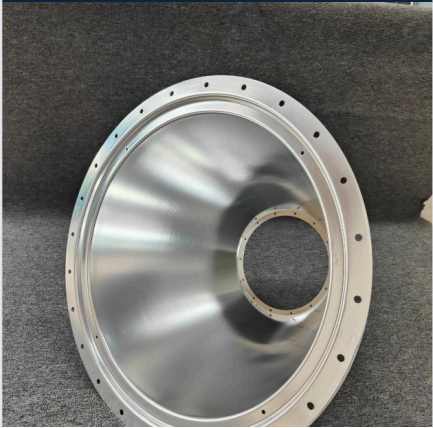
Industry	Machinery
Material	Copper
Thickness	8.0 mm
Coating	None
Size	Ø815 × H132 mm
Description	An end socket for machinery parts

Buffer Cap



Industry	Machinery
Material	Q235B carbon steel
Thickness	1.5 mm
Coating	Wiredrawing
Size	Ø96 × H150 mm
Description	A buffer cap for machinery

Fixed Base

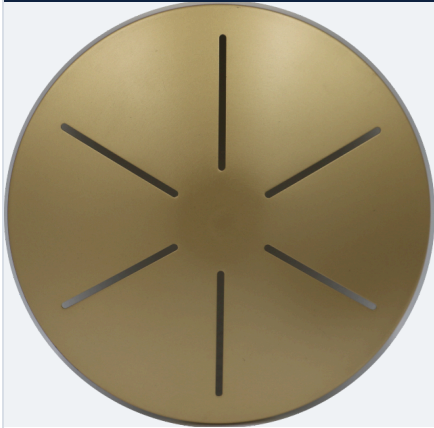


Industry	Machinery
Material	Q235B carbon steel
Thickness	1.5 mm
Coating	Zincing
Size	Ø500 × H120 mm
Description	The base cover for machinery

Luminaire Industry

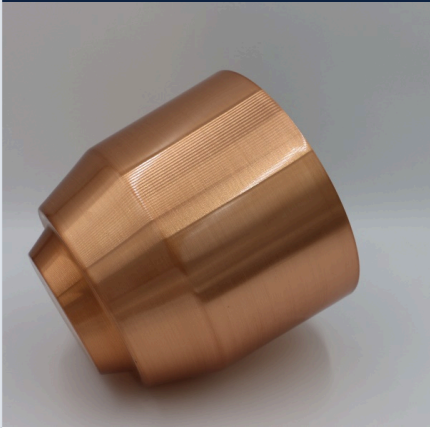
Reflectors and lamp housings in aluminum and copper for stadium, photography and architectural lighting.

Stadium Lamp Reflector



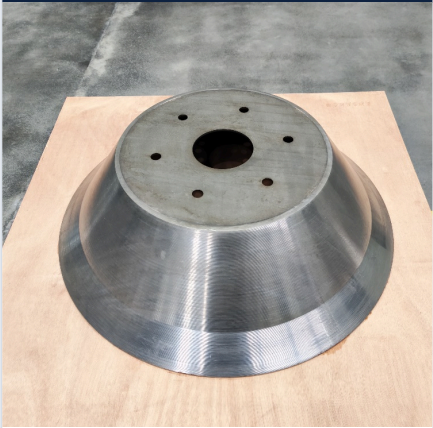
Industry	Luminaire
Material	Aluminum
Thickness	2.0 mm
Coating	Zincing
Size	Ø680 × H280 mm
Description	Lamp reflector for stadium

Customized Lamp



Industry	Luminaire
Material	Aluminum
Thickness	2.0 mm
Coating	Painting
Size	Ø1200 × H50 mm
Description	Customized lamp cover for photography

Lamp Cover

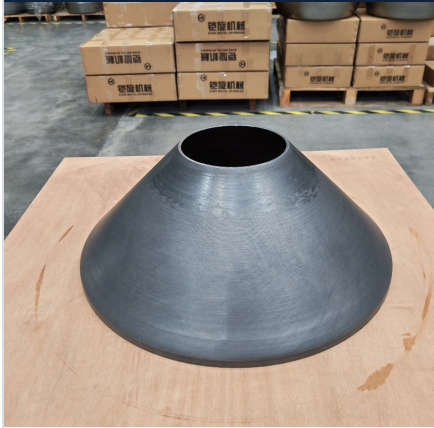


Industry	Luminaire
Material	Copper
Thickness	1.0 mm
Coating	Painting
Size	Ø120 × H135 mm
Description	A lamp cover for the floor lamp

Agricultural Machinery

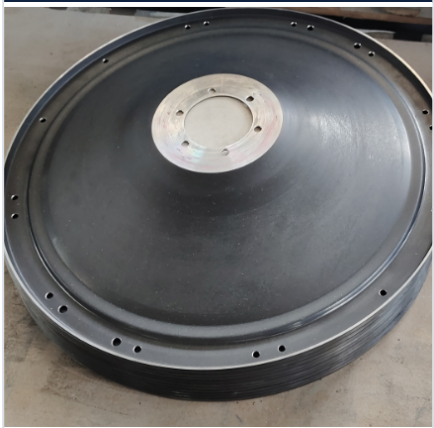
Heavy-duty spun cones, rollers and trays in Q235B carbon steel for grain and ore conveying systems.

Rear Cone



Industry	Agricultural machinery
Material	Q235B carbon steel
Thickness	4.0 mm
Coating	None
Size	Ø625 × H171 mm
Description	The rear cone of agricultural machine

Conveyor Roller Cone



Industry	Agricultural machinery
Material	Q235B carbon steel
Thickness	5.0 mm
Coating	None
Size	Ø520 × H203 mm
Description	Parts for conveying grain, ore products, etc.

Workpiece Tray

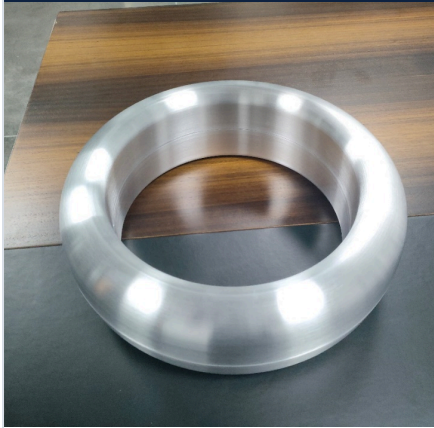


Industry	Agricultural machinery
Material	Q235B carbon steel
Thickness	4.0 mm
Coating	None
Size	Ø572 × 35 mm
Description	A tray used in agricultural machinery

UHV Transmission

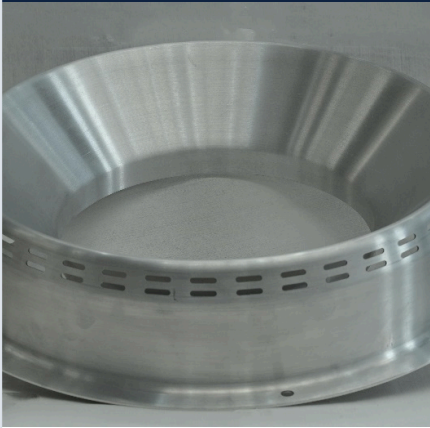
Ultra-high-voltage shielding components in AL1060 and AL5052 with polished surfaces.

UHV Shield — Ø197



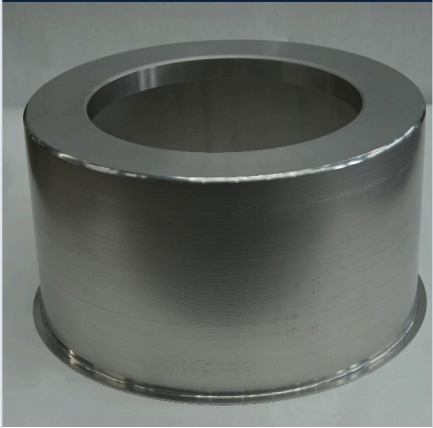
Industry	UHV transmission
Material	AL1060
Thickness	1.5 mm
Coating	Polishing
Size	Ø197 × H255 mm
Description	UHV shield

UHV Shield — Ø320



Industry	UHV transmission
Material	AL5052
Thickness	2.0 mm
Coating	Polishing
Size	Ø320 × H49 mm
Description	UHV shield

UHV Shield — Ø510



Industry	UHV transmission
Material	AL1060
Thickness	2.0 mm
Coating	Polishing
Size	Ø510 × H105 mm
Description	UHV shield

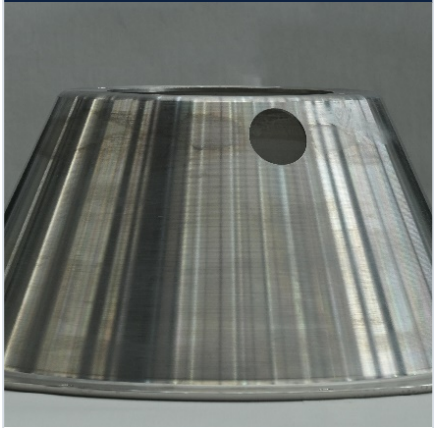
EMI shielding components in SUS304 and AL1060, polished for demanding electronic applications.

Shield — Ø381



Industry	Electronics
Material	SUS304
Thickness	2.0 mm
Coating	Polishing
Size	Ø381 × H202 mm
Description	A shield used in the electronics industry

Shield — Ø415



Industry	Electronics
Material	AL1060
Thickness	3.0 mm
Coating	Polishing
Size	Ø415 × H103 mm
Description	A shield used in the electronics industry

Shield — Ø517



Industry	Electronics
Material	SUS304
Thickness	2.0 mm
Coating	Polishing
Size	Ø517 × H218 mm
Description	A shield used in the electronics industry

Large centrifugal feeding discs in SUS304 for automatic feeding devices — Ø600 to Ø1000.

600 Centrifugal Disk



Industry	Automation
Material	SUS304
Thickness	6.0 mm
Coating	None
Size	Ø610 × H173 mm
Description	Automatic feeding device centrifugal disc (Ø600)

800 Centrifugal Disk



Industry	Automation
Material	SUS304
Thickness	6.0 mm
Coating	None
Size	Ø815 × H230 mm
Description	Automatic feeding device centrifugal disc (Ø800)

1000 Centrifugal Disk



Industry	Automation
Material	SUS304
Thickness	8.0 mm
Coating	None
Size	Ø1059 × H283 mm
Description	Automatic feeding device centrifugal disc (Ø1000)

Processing Capacity



CNC-1200 Spinning Lathe

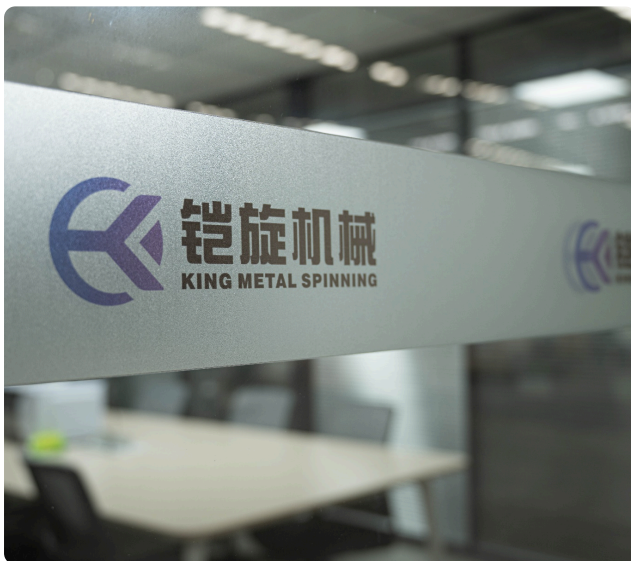
CNC-1200 · Spinning Lathe			
Parameter (mm)	Max	Min	Tolerance
Diameter	Ø1400	Ø80	±0.2
Height	900	30	±0.1
Thickness — Stainless	8	0.5	—
Thickness — Carbon steel	15	0.5	—
Thickness — Aluminum	20	0.5	—

CNC-200P · Pipe Spinning Lathe			
Parameter (mm)	Max	Min	Tolerance
Diameter	Ø800	Ø30	±0.1
Height	600	30	±0.1
Thickness — Stainless	4	0.5	—
Thickness — Carbon steel	5	0.5	—
Thickness — Aluminum	8	0.5	—

Processing Equipment List

Machine Type	Equipment Model	Qty	Max. Diameter (mm)	Max. Thickness (mm)
Spinning Lathe	CNC2500	1	Ø2500	SUS 8.0 / Steel 10.0 / AL 15.0
Spinning Lathe	CNC1650	2	≤ Ø1650	SUS 6.0 / Steel 8.0 / AL 10.0
Spinning Lathe	CNC1250	2	≤ Ø1250	SUS 6.0 / Steel 8.0 / AL 10.0
Spinning Lathe	CNC1400	1	≤ Ø1400	SUS 8.0 / Steel 15.0 / AL 20.0
Pipe Spinning Lathe	CNC200P	1	≤ Ø200	SUS 4.0 / Steel 5.0 / AL 6.0
Spinning Lathe	CNC900	1	≤ Ø900	SUS 4.0 / Steel 5.0 / AL 6.0
Spinning Lathe	CNC800	10	≤ Ø800	SUS 3.0 / Steel 5.0 / AL 6.0
Spinning Lathe	CNC750	2	≤ Ø750	SUS 3.0 / Steel 5.0 / AL 6.0
Spinning Lathe	CNC600	1	≤ Ø600	SUS 2.0 / Steel 4.0 / AL 5.0
Spinning Lathe	CNC250	16	≤ Ø250	SUS 1.5 / Steel 3.0 / AL 4.0
Laser Cutting Machine	3000W · 4000×2000	1	–	SUS 10.0 / Steel 15.0 / AL 12.0
Total		38		

Our Factory



Modern Facility in Sichuan, China

Located in the Shifang Economic Development Zone, Deyang City, Sichuan Province, our facility houses **38 CNC machines**, spacious production and warehousing areas, and a professional engineering team dedicated to precision metal spinning.

From small-batch prototypes to high-volume production runs, we maintain efficient, clean and well-organized operations to meet global customers' delivery requirements.

We cordially invite partners worldwide to visit our factory and explore collaboration opportunities.

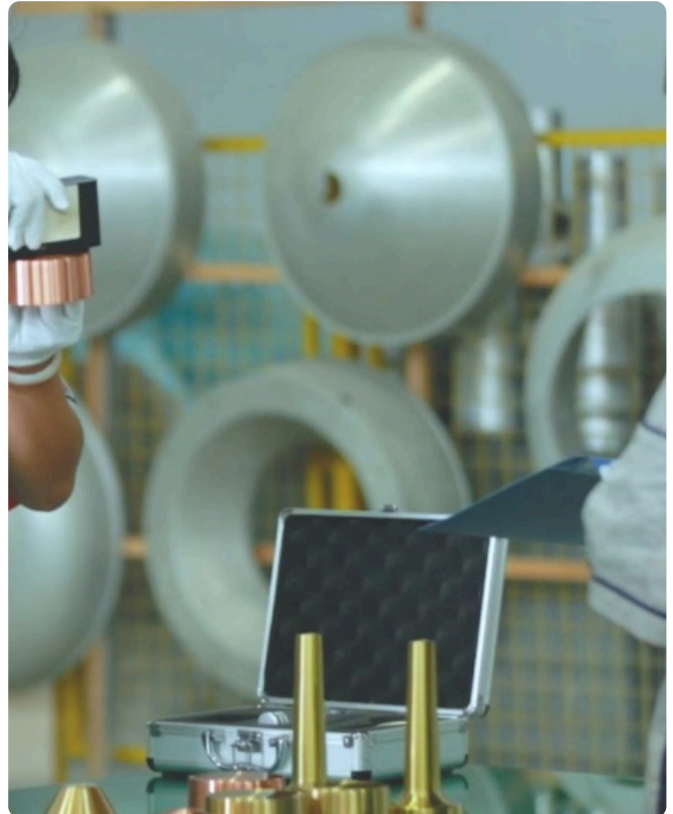
Quality Control

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We are **ISO 9001 certified** and always follow the ISO 9001 standard to ensure that every size will be controlled, every part will be perfect for customer's application.



Precision dimensional inspection



ISO 9001 quality management in practice



Let's Build Your Next Part Together

Look forward to making cooperation with every customer. Get a quote within 24 hours.

COMPANY King Metal Spinning Co., Ltd.

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