

QUANG®

QUANG®

Industrial Refrigeration Equipment
And Chip Conveyor Equipment.

**20th
YEARS**

- ♦ Oil Chiller
- ♦ Water Chiller
- ♦ Cabinet Air Conditioner
- ♦ Chip Conveyor
- ♦ High Pressure Coolant System
- ♦ (Magnetic Roller)Paper Tape Filter





Approx. Covered Area

60,000 m²

Total Investment

\$55⁺ Million

Employees

400⁺ People

Numbers of Intellectual
Property Rights and
Patented Technology

100⁺ Items

Guangdong Quanguan Intelligent Technology Co., Ltd. was founded in 2005. The headquarter is located in Dongguan City, a world-class factory, with a registered capital of 100 million yuan. After several years of persistent cultivation and development, multiple branches have been established in different locations of China. The company covers an area of approximately 60,000 square meters, and over 400 employees.

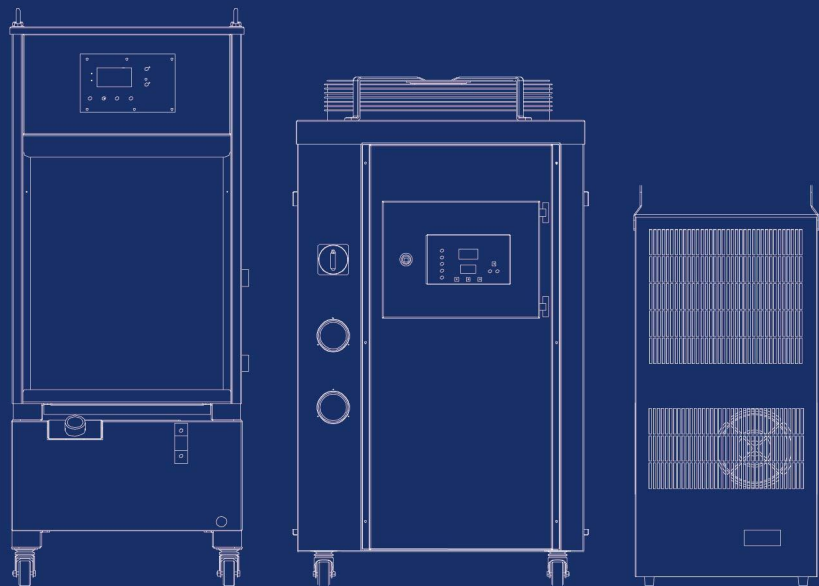
The company is committed to the research and development, production, and sales of intelligent equipment. Currently, the main products include oil chillers, water chillers, heat exchangers, electric cabinet air conditioners, chip conveyors (chip removal machines), high pressure coolant system, oil-water separators, and centralized chip removal systems. Premium quality and professional service as well as innovation research and development help us maintain a leading position and gain a lot of reputation and customers from all over the world.

The company is developing rapidly and has broad prospects. It has a sound management mechanism and has successively passed the ISO 9001:2015 and ISO 14001:2015 Environmental Management System Certification, CE Certification for EU Market Access, and intellectual Property Management System Certification, Has been recognized as a "National High tech Enterprise", "Guangdong Province Specialized, Refined, and New Enterprise", "Dongguan Collaborative Multiplier Enterprise".

The company takes "Creating Value for Customers" as its corporate vision, and "leading the trend of industrial intelligent manufacturing and creating globally renowned brands" as its corporate mission.



INDUSTRIAL
REFRIGERATION
EQUIPMENT



Oil Chiller

-  Rapid Cooling
-  Smart Cooling
-  Energy-efficient
-  Quality Assurance

Main Technical Parameters

Project		Type	QG-012LY		QG-015LY		QG-025LY		QG-035LY		QG-052LY		QG-080LY		QG-120LY		QG-200LY		QG-250LY		
Cooling Capacity	BTU/HR	4000	5200		8500		12000		18000		28000		40000		68000		85000				
	W/HR	1200	1500		2500		3500		5200		8000		12000		20000		25000				
Power	V, Hz	220V,50Hz										380V,50Hz									
Rated Power	W	528	660	745	1320		1716		3080		6300		7500		9200		10500				
Rated Current	A	2.4	3.0	4.1	6		7.8		14		9.5		11.5		17.6		20.5				
Motor Power	W	125	125	400	370		370		750		750		2200		2200		2200				
Pump Flow	L/min	3.7	3.7	12	7	20	20		30		50		75		75		105				
Dia. Of Inlet and Outlet	inch	1/2"	1/2"		3/4"		3/4"		3/4"		1"		1"		1.2"		1.5"				
Dimension (W*D*H)	mm	365*445*650	350*450*795		440*510*800		465*575*1000		575*515*1200		705*605*1030		1305*705*1300		765*1255*1407.5		765*1455*1507.5				
Tank Capacity	L	14	14		25		36		50		100		80		/		/				
Weight	kg	37	49	47	90		96.5		136		150		278		332.5		372				



Immersion Oil & Water Chiller

- Rapid Cooling
- Energy-efficient
- Smart Cooling
- Quality Assurance



Industrial Water Chiller

- Rapid Cooling
- Energy-efficient
- Smart Cooling
- Quality Assurance

Main Technical Parameters

Project \ Type		QG-025JR	QG-035JR	QG-050JR	QG-080JR	QG-120JR
Cooling Capacity	W	2500	3500	5000	8000	12000
	BTU/h	8500	12000	17000	28000	40000
Power	V, Hz	220V,50Hz		380V,50Hz		
Rated Power	W	1210	1600	2720	5400	5600
Rated Current	A	5.5	7.3	4	8.2	8.6
Refrigerant	Ra	R22	R22	R22	R22	R22
Dimension	mm	445 x 510 x 950	465 x 575 x 1050	540 x 600 x 1240	600 x 630 x 1345	700 x 750 x 1555
Weight	KG	50	65	71	109	145

Main Technical Parameters

Project \ Type		QG-7.5LS	QG-012LS	QG-015LS	QG-025LS	QG-035LS	QG-052LS	QG-080LS	QG-100LS	QG-120LS	QG-200LS
Cooling Capacity	BTU/HR	2700	4000	5200	8500	12000	18000	28000	34100	41000	68300
	W/HR	750	1200	1500	2500	3500	5200	8000	10000	12000	20000
Power	V, Hz	220V,50Hz					380V,50Hz				
Rated Power	W	405	528	660	1280	1600	1900	3800	4000	6200	9200
Rated Current	A	1.9	2.4	3.0	5.8	7.4	8.7	5.8	6.1	9.4	14
Pump Power	W	88	88	88	250	250	320	370	550	750	1100
Pump Flow	L/min	18	18	18	33	33	40	50	50	50	75
Dia. Of Inlet and Outlet	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	1.2"
Dimension (W*D*H)	mm	321*470*525	365*445*650	350*450*790	450*485*660	450*485*660	450*485*695	695*560*900	670*674*1200	670*795*1200	1285*750*1580
Tank Capacity	L	6	10	10	16	16	16	19	60	60	60
Weight	kg	29.5	35	39	47	47	62	83	165	170	263



Electric Cabinet Air Conditioning

- Rapid Cooling
- Smart Cooling
- Energy-efficient
- Quality Assurance



Main Technical Parameters

Project \ Type		QG-JK-030	QG-JK-050	QG-JK-080	QG-JK-100	QG-JK-150	QG-JK-250	QG-JK-350
Cooling Capacity	W	300	500	800	1000	1500	2500	3500
Power	V,Hz	220V,50Hz						
Rated Power	W	270	350	400	640	800	1200	1650
Rated Current	A	1.2	1.6	1.8	2.9	3.6	5.4	7.5
Refrigerant	Ra	R134a	R134a	R134a	R134a/R22	R134a/R22	R134a/R22	R134a/R22
Dimension	mm	295*195*560	360*195*630	360*190*700	385*235*870	385*233*1050	405*285*1105	468*295*1658
Weight	KG	18.5	21	24.5	32	34	52.5	78



Heat Exchanger Series

- Rapid Cooling
- Smart Cooling
- Energy-efficient
- Quality Assurance



Main Technical Parameters

Project \ Type		QG-05LF	QG-10LF	QG-15LF	QG-20LF	QG-30LF	QG-50LF
Heat Transfer Capacity	W/°C	5	10	15	20	30	50
Maximum Heat Exchange	W	100	200	300	500	700	1000
Power	V,Hz	220V, 50Hz					
Input Power	W	39	52	88	88	176	176
Rated Current	A	0.18	0.24	0.4	0.4	0.8	0.8
Dimension	mm	480*250*70	580*250*70	780*220*70	780*265*90	690*365*110	940*420*95
Weight	KG	3.5	4.5	6.5	7.5	10	13

Centralized Refrigeration System

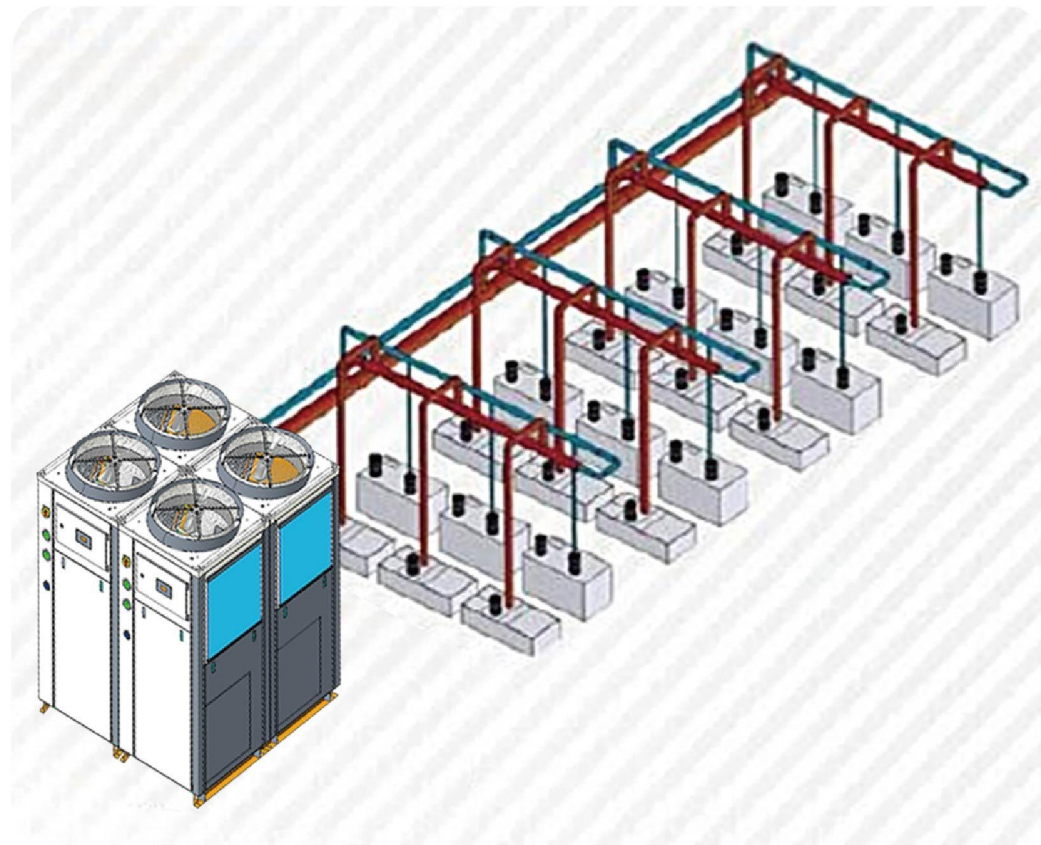
Product Overview

The precision oil cooler uses a intelligent Chinese (English) computer controller and digital display, which is easy to operate. The digital display provides two temperature control methods: room temperature synchronization and constant temperature. It can provide high and constant oil temperature and high-reliability design concepts to ensure the safe operation of the work machine. It is a powerful helper for mechanical spindles and electric spindles.

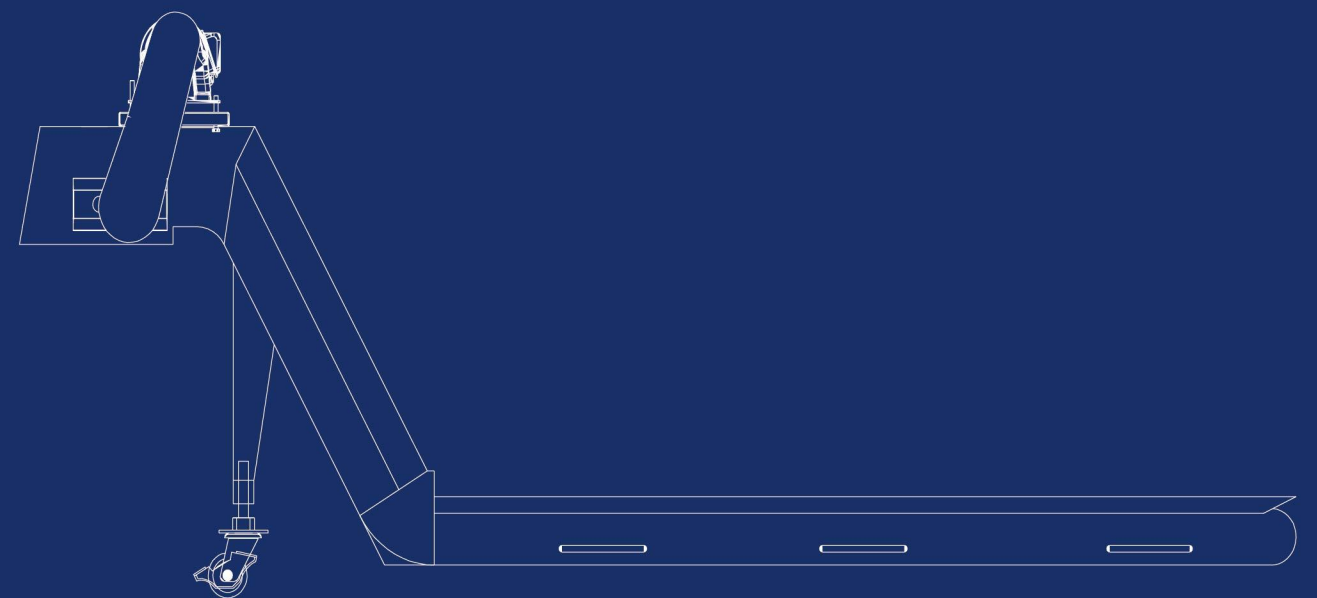
Now our company has launched a one-to-many centralized cooling model, which makes one oil cooler cool multiple mechanical spindles and multiple electric spindles at the same time. Improve the service life of machine tools.

Product Advantages

- ◇ It can greatly improve the on-site environment of the production workshop, making the workshop more tidy, comfortable and elegant. Convenient for 5S implementation and production automation on-site management.
- ◇ The investment cost is low. Compared with independent and decentralized cooling devices, the cost advantage of centralized cooling is more prominent.
- ◇ Easy for equipment maintenance and management, centralized and tidy: low energy consumption.
- ◇ With industrial upgrading, China's manufacturing will be enhanced. Centralized cooling is a gorgeous transition for companies and entrepreneurs from electric rough machining to high-end manufacturing.

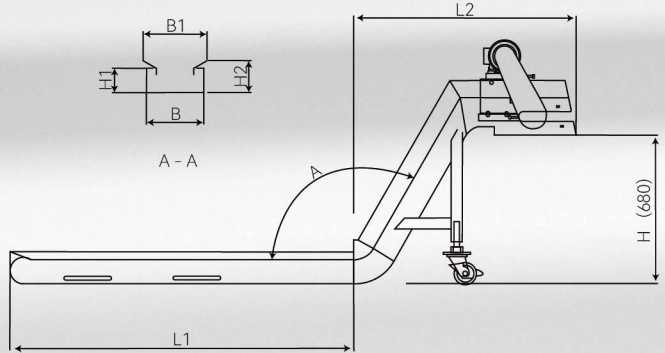


CHIP REMOVAL MACHINE



WAYS OF SELECTING CHIP CONVEYORS

ChipTypes Chip Conveyor Type	Iron Rolling Chips	Metal Iron Chips	No Rolling Chips	Cast-iron Scraps	Aluminum Scraps	Copper Scraps	Non-ferrous Metal	Filtration
Chain Plate Chip Conveyor	✓	✓		✓	✓		✓	
Scraper Chip Conveyor			✓	✓	✓	✓	✓	
Scraper Recoil With Cooling and Filter Device			✓	✓	✓	✓		✓
Compound Chip Conveyor	✓	✓	✓	✓	✓	✓	✓	✓
Magnetic Chip Conveyor		✓						
Spiral Type Chip Conveyor		✓		✓	✓	✓	✓	
Iron Concentrated Discharge System	✓	✓	✓	✓	✓	✓	✓	✓



Chain Plate Type Chip Removal Machine

Product Features: Applicable for conveying rolled chips, metal iron chips, cast iron chips, aluminum iron chips, non-metals.

Main Technical Parameters

Standard Specification		Select Equipment	
Reduced Speed Motor	1/4Hp(0.2Kw)1/165 220/380V	1.CE Specification Device	1.Simple CE Chip Outlet Device
Pitch of Chain	R2050 P=31.75mm		2.Full Cover CE Chip Outlet Device
Width of Chain Plate	175,150-600(One specification every 50MM) 175,150-600	2.Manual Control Device	1.Standard Emergency Stop Control
Chips Holder	One piece for every six pitch		2.CE Specification Emergency Stop Control
Conveyor Speed	1.3-1.5M/min(50/60HZ)	3.Various Remote Control Box	
Safety Device	HTL-350-2	4.Various Electrical Belly Snake Cables	
Angle of Conveyor	60°	5.Torque Overload Stop Device	
		6.Roll-in Prevention Stop Device	

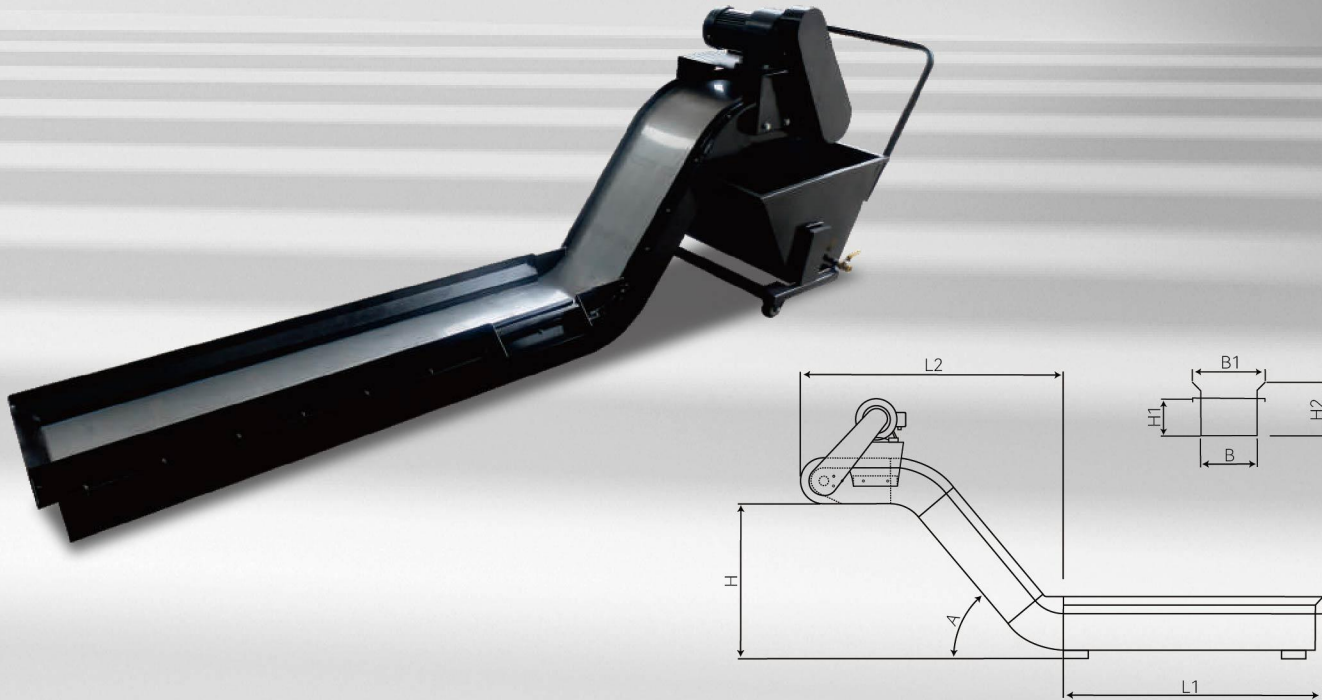


Scraper Chip Removal Machine

Product Features: Applicable for conveying the powdery, granular, and iron fillings with a length less than 100mm produced by processing metal materials, and also equipped with a magnetic frame inside the oil tank to ensure the purity of the cutting fluid.

Main Technical Parameters

Project Type	B(mm)	B1(mm)	H(mm)	H1(mm)	H2	L1	L2	A	Chip Removal Volume kg/min	Motor Power
QGGB-200	200	>200	By User	>110	By User	>900		0°	20	0.2-1.5
QGGB-250	250	>250						30°	30	
QGGB-300	300	>350						45°	40	
QGGB-350	350	>350						50°	50	
QGGB-400	400	>400						60°	60	
QGGB-450	450	>450							80	



Magnetic Chip Removal Machine

Product Features: This chip conveyor uses the magnetic force of the strong magnetic field to separate powdery, granular and iron fillings with a length less than 100mm, or chips in oil and emulsion, adsorb them on the working magnetic plate of the chip removal machine, and transport them to a designated chip removal location or chip collection box.

Main Technical Parameters

Project Type	B(mm)	B1(mm)	H(mm)	H1(mm)	H2(mm)	L1(m)	A	Chip Removal Volume kg/min	Motor Power
QGCX-175	175	>175	By User	150	H1+30	By User		10	0.2-1.5
QGCX-215	215	>215			0°		15		
QGCX-275	275	>275			30°		20		
QGCX-320	320	>320			45°		25		
QGCX-400	400	>600			60°		30		
QGCX-500	500	>700			75°		40		
QGCX-600	600	>800					50		

Spiral Chip Device 1

Product Features: Applicable for conveying powdery, granular and other debris of various materials, including metal and non-metallic materials.

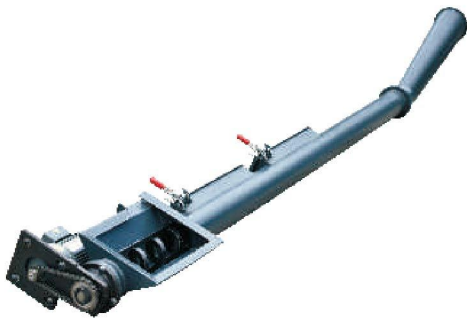


Main Technical Parameters

Project Type	Spiral Outer Diameter D	Chip Groove Width B	Pitch P	R	L(mm)	Motor Power (kW)	Chip Removal Volume kg/h
QG80	80	90	80	45	0.60-5.00	100-200	90-130
QG100	100	120	100	60	0.80-6.00	200-400	120-180
QG150	150	180	120	90	1.00-10.00	400-750	150-220
Note: It can be designed and manufactured according to the size and requirements required by users							

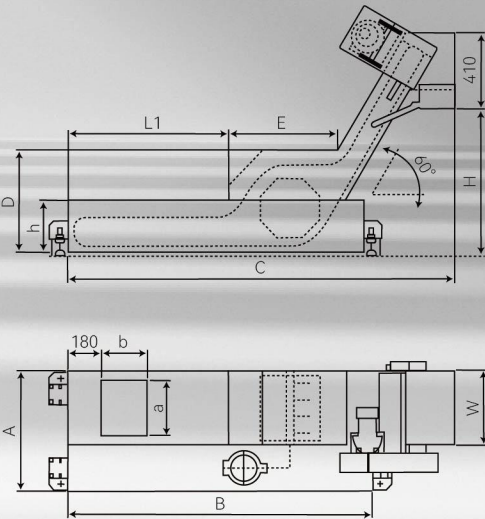
Spiral Chip Device 2

Product Features: Applicable for conveying powdery, granular and other debris of various materials, including metal and non-metallic materials (The best choice for removing chips in small spaces)



Main Technical Parameters

Project Type	Spiral Outer Diameter (mm)	Pitch (mm)	Motor Power(W)
QG-100	Φ65/Φ80	60-100	100
QG-200	Φ90/Φ 100	80-100	200
QG-400	Φ100	100-120	400
QG-750	Φ 150	100-120	750



Recoil Roller Chip Removal Machine (Chains/Scrapers)

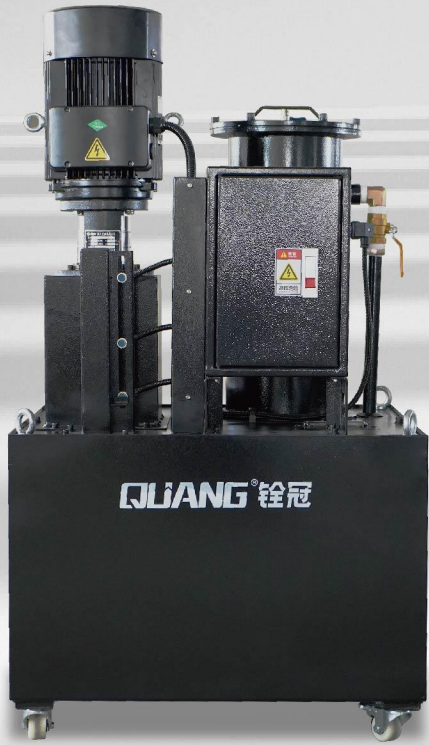
Product Features: Applicable for conveying powdery, granular, and strip-shaped fine chips produced by processing metal materials such as iron, aluminum, and copper (less than 50 mm).

Partial Size

Roller	Width(W)	h	H	L1	A	B	C	D	E	a	b
Φ400mm	400 500 600 700	280 and Above	500 and Above	435 and Above	W+250 and Above	1100 and Above	160 and Above	585	585	W-110 and Above	200 and Above
Φ600mm	800	400 and Above	600 and Above	760 and Above	W+250 and Above	1600 and Above	210 and Above	785	885	W-110 and Above	200 and Above

Main Technical Parameters

Reduced Speed Motor	0.2KW~0.4KW AC220/380 50HZ(Optional as required)			<div>-The filter flow rate is the value of water-soluble cutting fluid;</div> <div>-The filter flow rate will change with the type of cutting fluid and chip material;</div> <div>-The filtration flow does not include the flow used for backwash-ing of the drum filter;</div> <div>-The higher the precision of the filter, the smaller the filtration flow will be.</div>		
Chain (optional upon request)	C2062 Pitch 38.1mm 2082 Pitch50.8mm					
Conveying Speed	1.2~ 1. 4m/min					
Conveying capacity	0.03m³ ~ 0. 12m³/h					
Safety Device	Torque Limiter (+ Proximity Switch)					
Chip Type	Powder, Granular, Strip-shaped Fine Chips (less than 50mm)					
Filtering accuracy	80 Mesh (Customizable)					
Filter Flow	Width \ Roller	W400	W500	W600	W700	W800
	Φ 400mm	140L/min	210L/min	280L/min	350L/min	400L/min
	Φ 600mm	280L/min	420L/min	560L/min	200L/min	800L/min
Drum filter backwash pump needs(0.8 bar and above)		40L/min	50L/min	60L/min	70L/min	80L/min

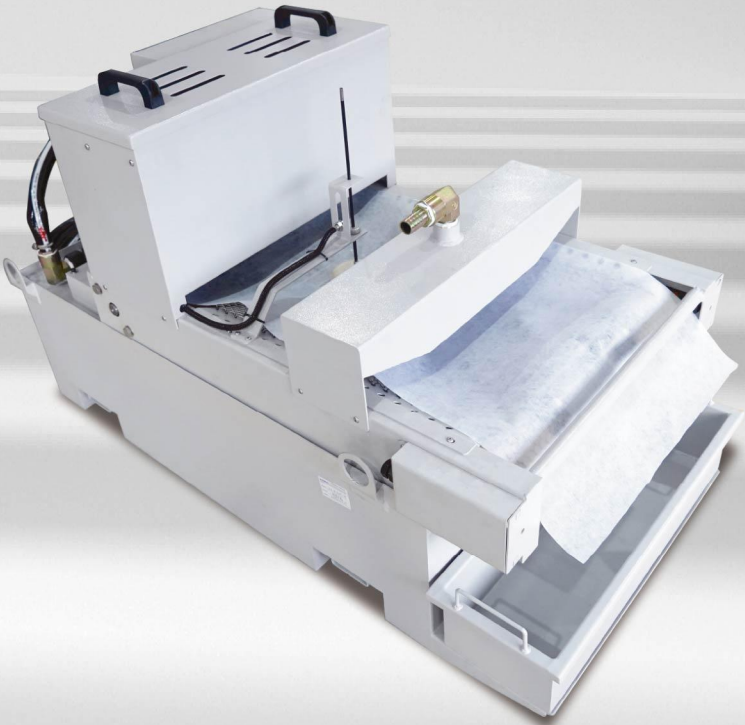


High Pressure Coolant System

Product Features: High pressure coolant system is mainly used for spindle flushing of CNC machining center, deep hole drilling and milling machine, crankshaft grinder, gear grinding machine, CNC turning and milling compound processing machine tool, gantry drilling and milling machine, gantry machining center, CNC lathe, deep hole boring and milling drilling machine and other metal processing equipment.

Main Technical Parameters

Project	Type	QG-HPC-2MP-33LA-LX-1	QG-HPC-3MP-33LA-LX-1	QG-HPC-5MP-40LA-LG-1	QG-HPC-7MP-40LA-LG-1
Outlet Pressure		20KG	30KG	50KG	70KG
Outlet Flow		33L/min	33L/min	40L/min	40L/min
Rated Power		2.2KW	4.0KW	5.5KW	7.5KW
Power Supply		220V/380V 50HZ/60/HZ			
Precision		≥25μm			
Pump Type		Centrifugal Pump/ Gear Pump	Centrifugal Pump / Screw Pump	Screw Pump	Screw Pump
Pump Brand		Nanbeng,Huangbeng and others well-known brand pump(Customer-specified brands are supported) 20KG/30KG Centrifugal Pump by default, 50KG/70KG Screw Pump by default			
Dimension		700*700*1080mm	700*700*1300mm	770*880*1390mm	770*880*1390mm
Tank Capacity		220L	220L	350L	350L

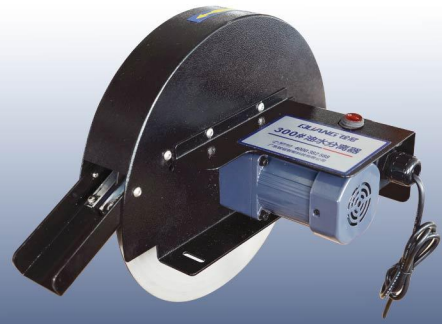


(Magnetic Roller) Paper Tape Filter

Product Features: The paper tape filter is mainly used in grinding machines and other high precision machine tools; it is suitable for processing conditions such as emulsion, water-based synthetic fluid and low-viscosity cutting oil, etc. It can improve the processing accuracy of the work piece and extend the service life of the cutting fluid.

Main Technical Parameters

Model	Flow(L/min)	Width	Length	Filter Paper Width(mm)	Power	Filtration Accuracy(um)
PWGL100-A	100	600	800-1100	510	80-400	30-50
PWGL200-A	200	800	1100-1500	710		
PWGL300-A	300	1000	1500-2000	910		
PWGL400-A	400	1180	2200-2800	1100		
PWGL500-A	500	1180	2800-3300	1100		



Horizontal Type WYS-Y300-120



Vertical Type LYS-H230Y-180



Horizontal Type WYS-Y300-120



Vertical Type LYS-H230Y-180

Oil-Water Separator

Features and Uses

Differences

- Horizontal Type Oil-Water Separator Series, compact structure, reliable performance, smooth operation, low power consumption, low noise level. It is suitable for the operating environment where the floating oil level is low, the liquid level fluctuation is small, and the space is narrow.
- Vertical Type Oil-Water Separator Series with novel design, low power loss and high separation efficiency. The scope of application is wider. Suitable for the operating environment with high floating oil level and large liquid level fluctuation.

Similarities

- This product is used for oil-water separation of different kinds of machine tools with a long service life. And It is especially effective on the machine tools that have a lot of oil and metal powder in the cutting fluid. Users can choose the model according to the specific size of the tank and the level of floating oil.
- Extend the life cycle of cutting fluid.
- Reduced tool wear and lower tool costs.
- Improve the operating environment and efficiency of the machine.
- The separated oil and water can be recycled to reduce environmental pollution.



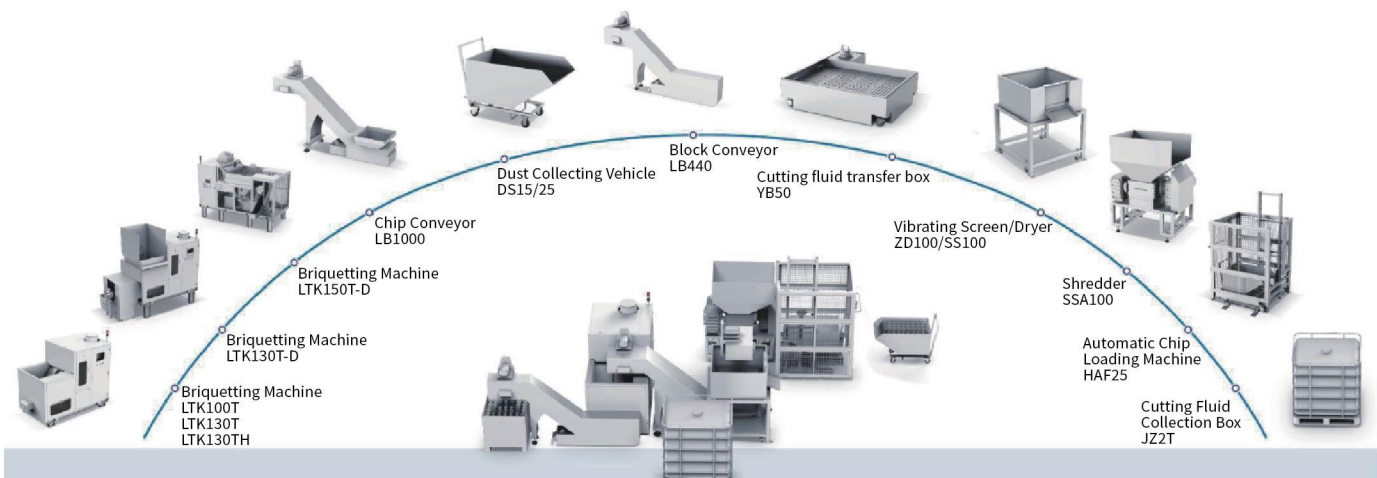
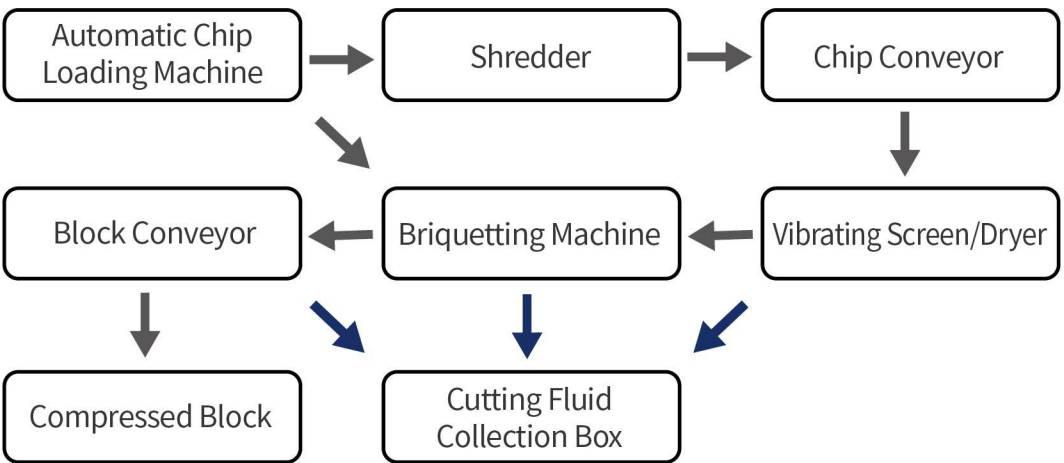
Concentrated Chip Removal



Metal chip automatic briquetting processing system

Product features and uses

- 1、 This system consists of automatic chip conveyor, shredder, shoulder conveyor, vibrating screen/dryer, briquetting machine, block conveyor and cutting fluid collection tank.
- 2、 Customers can choose and match according to the working condition requirements to realize automatic production. Realize the separation of oil and chips, reduce the cost of movement, and reduce the waste of human resources. Improve the regeneration efficiency, energy saving and carbon reduction, and minimize the space occupied by metal chips.
- 3、 Control the cutting oil not to fall to the ground, purify the factory environment.



Briquetting Machine Parameter

Type	LTK100T	LTK130T	LTK130TH	LTK130T-D	LTK150T-D
Raw Material	Fe Steel Cu Al Mg Ti	Fe Steel Cu Al Mg Ti	Fe Steel Cu Al Mg Ti	Fe Steel Cu Al Mg Ti Grinding Mud	Fe Steel Cu Al Mg Ti Grinding Mud
Capability(KN)	980KN	1274KN	1274KN	1300KN	1470KN
Dia of Round Block(φ)	φ60-75	φ60-109	φ60-109	φ60-120	φ60-120
Hopper Volume(L)	190L				
Power Supply	Three-phase 220V/380V(Choose One)				
Output Power (KW)	9.35KW	13.25KW	24.25KW	13.25KW	13.95KW
Size:(L*W*H)	2280*1180*1760	2280*1180*1760	2280*1250*1980	2950*1180*1760	3500*1600*2400
Weight	2300kg	2600kg	3000kg	3500kg	4000kg

Shredder Parameter List

Mode	Capability	Shredding the Material	Full Height	Full Width	Full Length	Output Power	Power Supply	Weight
SSA200	300-500Kg/h	Fe Steel Cu Al Mg Ti	800mm	1300mm	1300mm	15kw	Three-phase 220V/380V	1500kg

Elevator Parameter List

Mode	Empowerment (kg)	Full Height (mm)	Full Width (mm)	Full Length (mm)	Highest Reaching Point (mm)	Rise Time		Fall Time		Power Supply (v)	Motor (kw)	Weight (kg)
						(50 Hz)	(60Hz)	(50 Hz)	(60Hz)			
						(sec)		(sec)				
HAF25	250	2014	1229	1206	2921	30	25	17	15	AC380V	2.2	250

Collecting Truck Parameter Table

Mode	Capability (kg)	Collecting Truck			Full Height (mm)	Full Width (mm)	Full Length (mm)	Wheel	Universal Wheel	Weight (kg)
		Nozzle Height (mm)	Height (mm)	Volumn (m³)						
DS15	150	563	689	0.12	798	535	1007	φ100 rubber	Rear Wheel	36
DS25	250	582	784	0.27	898	685	1292			66