CHUANG DONG

泰安创东新材料科技有限公司

Tai'an Chuang Dong New Material Technology Co., Ltd.

TAI'AN CHUANG DONG
NEW MATERIAL TECHNOLOGY CO., LTD.

—— Leader of a full range of handling and palletizing robots

Mount Tai, China

Corporate culture

Corporate mission

Robots replace people, making production more efficient and work easier

Corporate Vision

To be a world-class Chinese industrial robot company

Corporate values

Respect, understanding, tolerance, gratitude

Corporate spirit

Burying oneself in hard work and courageously shouldering heavy burdens. Never slack off and keep moving forward

The spirit of ChuangDong Enterprise originates from:

Mount Tai is a unique spiritual symbol of the Chinese nation. This land vigorous breeds a unique group of Mount Tai "mountain workers", and also breeds the spirit of Mount Tai "mountain workers" with the main content of "hard work, having the courage to do bear the heavy burden, never slacken, indomitable". This spirit has a long and enduring history, constantly carrying new connotations and radiating new vitality in the new era. As Kewei Company located at the foot of Mount Tai , it has more responsibility and obligation to vigorously carry forward this spirit!

Honor

Unity and cooperation. Sharing honors

CHUANG DONG

Only through technological innovation can we achieve success

——ChuangDong Robot Family Serving Various Industries Around the World

CD1020B-1700 CD1020B-2000 CD1030M-1835 CD1030B-1850 CD1050B-2100 CD1060M-2100 CD1080B-2200 CD1080B-2700 CD1120M-2400 CD1160B-3200 CD1180M-3200 CD1220B-2700 CD1300M-3200

INDUSTRIAL ROBOT

Why choose ChuangDong Robotics?

Maintain a leading position in industrial robot design.
It enjoys a high reputation in terms of accuracy and reliability.

泰安创东新材料科技有限公司与山东大学联合成立“山东大学-机器人研究中心”，引入山东大学先进的机器人研发技术，结合公司自身生产技术优势，强强联合建立前沿的具有创新性的产学研合作基地，打造具有真正自主知识产权的国产机器人品牌。

目前科为机器人产品主打全系列工业机器人，产品将广泛应用于各类“机器换人”生产环节。公司坚持“倡导科技先行”的发展理念，发挥山东大学控制科学与工程学院“理论研究为先导，工程应用为根本”的基本理念，秉承“科技创新，方可有为”的发展观，力求打造真正与国际一线品牌媲美的国产机器人品牌!为新质生产力的发展和中国式现代化的实现贡献科为力量!

Tai'an ChuangDong New Material Technology Co., Ltd. and Shandong University jointly established the "Shandong University Robotics Research Center", introducing advanced robot research and developmenttechnology from Shandong University. Combining the company's own production technologyadvantages, the company has jointly established a cutting-edge and innovative industry universityresearch cooperation base, and has created a domestic robot brand with truly independent intellectualproperty rights.

At present, ChuangDong Robotics focuses on a full range of industrial robots, which will be widely used invarious "machine replacement" production processes.

The company adheres to the development concept of "advocating technology first", leverages thebasic concept of "theoretical research as the guide and engineering application as the foundation" of theSchool of Control Science and Engineering at Shandong University, adheres to the development conceptof "technological innovation is the key to success", and strives to create a domestic robot brand that istruly comparable to international first tier brands! To contribute to the development of new qualityproductivity and the realization of Chinese path to modernization!

Small Six Axis Desktop Robot

CD1005B-950

Wrist can handle a load of 5kg
with a working radius of 948mm

Model		CD1005B-950
Type		Vertical joint with 6 degrees of freedom
Payload		5KG
Working radius		948mm
Position repetition accuracy		±0.05mm
Body weight		43KG
Power capacity		3.0KVA
Installation method		Ground lifting
Protection level		Equivalent to IP65
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Sorting, testing, labeling, assembly, handling, dispensing, loading and unloading
Action range	Basic axis J1	±170°
	Basic axis J2	-145° +80°
	Basic axis J3	-70° +180°
	Arm axis J4	±180°
	Arm axis J5	±130°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	233° /S
	Basic axis J2	236° /S
	Basic axis J3	291° /S
	Arm axis J4	372° /S
	Arm axis J5	500° /S
	Arm axis J6	375° /S

CD1008B-830

Wrist can handle a load of 8kg
with a working radius of 827mm

Model		CD1008B-830
Type		Vertical joint with 6 degrees of freedom
Payload		8KG
Working radius		827mm
Position repetition accuracy		±0.05mm
Body weight		42KG
Power capacity		3.0KVA
Installation method		Ground lifting
Protection level		Equivalent to IP65
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Sorting, testing, labeling, assembly, handling, dispensing, loading and unloading
Action range	Basic axis J1	±170°
	Basic axis J2	-145° +80°
	Basic axis J3	-70° +180°
	Arm axis J4	±180°
	Arm axis J5	±130°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	233° /S
	Basic axis J2	236° /S
	Basic axis J3	291° /S
	Arm axis J4	372° /S
	Arm axis J5	500° /S
	Arm axis J6	375° /S

CD1010B-920

Wrist can handle a load of 10kg
with a working radius of 920mm

Model		CD1010B-920
Type		Vertical joint with 6 degrees of freedom
Payload		10KG
Working radius		920mm
Position repetition accuracy		±0.02mm
Body weight		47KG
Power capacity		3.0KVA
Installation method		Floor standing,bracket standing,inverted hanging
Protection level		Equivalent to IP67
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Sorting, testing, labeling, assembly, handling, dispensing, loading and unloading
Action range	Basic axis J1	±170°
	Basic axis J2	-140° +80°
	Basic axis J3	-75° +200°
	Arm axis J4	±190°
	Arm axis J5	±130°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	300° /S
	Basic axis J2	300° /S
	Basic axis J3	400° /S
	Arm axis J4	550° /S
	Arm axis J5	560° /S
	Arm axis J6	975° /S

Universal six axis robot

CD1010B-1440

Wrist can handle a load of 10kg
with a working radius of 1440mm

Model		CD1010B-1440
Type		Vertical joint with 6 degrees of freedom
Payload		10KG
Working radius		1440mm
Position repetition accuracy		±0.05mm
Body weight		160KG
Power capacity		2.0KVA
Installation method		Ground lifting
Protection level		与IP54相当
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Handling, palletizing, loading and unloading, welding
Action range	Basic axis J1	±180°
	Basic axis J2	-155° +90°
	Basic axis J3	-150° +85°
	Arm axis J4	±170°
	Arm axis J5	-116° +150°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	200° /S
	Basic axis J2	185° /S
	Basic axis J3	155° /S
	Arm axis J4	265° /S
	Arm axis J5	210° /S
	Arm axis J6	260° /S

CD1012B-1500

Wrist can handle a load of 12kg
with a working radius of 1500mm

Model		CD1012B-1500
Type		Vertical joint with 6 degrees of freedom
Payload		12KG
Working radius		1515mm
Position repetition accuracy		±0.05mm
Body weight		185KG
Power capacity		3.0KVA
Installation method		Ground lifting
Protection level		Equivalent to IP54
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Handling, palletizing, loading and unloading
Action range	Basic axis J1	±170°
	Basic axis J2	+90° -145°
	Basic axis J3	+125° -81°
	Arm axis J4	±180°
	Arm axis J5	±125°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	220° /S
	Basic axis J2	180° /S
	Basic axis J3	220° /S
	Arm axis J4	270° /S
	Arm axis J5	272° /S
	Arm axis J6	380° /S

CD1015B-1700

Wrist can handle a load of 15kg
with a working radius of 1700mm

Model		CD1015B-1700
Type		Vertical joint with 6 degrees of freedom
Payload		15KG
Working radius		1700mm
Position repetition accuracy		±0.05mm
Body weight		215KG
Power capacity		2.0KVA
Installation method		Ground lifting
Protection level		Equivalent to IP54
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Handling, palletizing, loading and unloading
Action range	Basic axis J1	±170°
	Basic axis J2	+90° -145°
	Basic axis J3	+125° -81°
	Arm axis J4	±180°
	Arm axis J5	±125°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	220° /S
	Basic axis J2	180° /S
	Basic axis J3	220° /S
	Arm axis J4	270° /S
	Arm axis J5	272° /S
	Arm axis J6	380° /S

CD1020B-1700

Wrist can handle a load of 20kg
with a working radius of 1700mm

Model		CD1020B-1700
Type		Vertical joint with 6 degrees of freedom
Payload		20KG
Working radius		1700mm
Position repetition accuracy		±0.05mm
Body weight		215KG
Power capacity		2.0KVA
Installation method		Ground lifting
Protection level		Equivalent to IP54
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Handling, palletizing, loading and unloading
Action range	Basic axis J1	±170°
	Basic axis J2	+90° -145°
	Basic axis J3	+125° -81°
	Arm axis J4	±180°
	Arm axis J5	±125°
	Arm axis J6	±360°
Maximum speed	Basic axis J1	220° /S
	Basic axis J2	180° /S
	Basic axis J3	220° /S
	Arm axis J4	270° /S
	Arm axis J5	272° /S
	Arm axis J6	380° /S

CD1020B-2000

Wrist can handle a load of 20kg
with a working radius of 2000mm

Model			CD1020B-2000
Type			Vertical joint with 6 degrees of freedom
Payload			20KG
Working radius			2000mm
Position repetition accuracy			±0.05mm
Body weight			195KG
Power capacity			3.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	+90° -160°
		J3	+165° -85°
	Arm axis	J4	±170°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	220° /S
		J2	180° /S
		J3	200° /S
	Arm axis	J4	360° /S
		J5	360° /S
		J6	400° /S

CD1030B-1850

Wrist can handle a load of 30kg
with a working radius of 1850mm

Model			CD1030B-1850
Type			Vertical joint with 6 degrees of freedom
Payload			30KG
Working radius			1850mm
Position repetition accuracy			±0.05mm
Body weight			190KG
Power capacity			3.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	+90° -160°
		J3	+165° -85°
	Arm axis	J4	±170°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	220° /S
		J2	180° /S
		J3	200° /S
	Arm axis	J4	360° /S
		J5	360° /S
		J6	400° /S

CD1035B-1850

Wrist can handle a load of 35kg
with a working radius of 1850mm

Model			CD1035B-1850
Type			Vertical joint with 6 degrees of freedom
Payload			35KG
Working radius			1850mm
Position repetition accuracy			±0.05mm
Body weight			190KG
Power capacity			3.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	+90° -160°
		J3	+140° -85°
	Arm axis	J4	±170°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	220° /S
		J2	180° /S
		J3	200° /S
	Arm axis	J4	360° /S
		J5	360° /S
		J6	400° /S

CD1050B-2100

Wrist can handle a load of 50kg
with a working radius of 2100mm

Model			CD1050B-2100
Type			Vertical joint with 6 degrees of freedom
Payload			50KG
Working radius			2100mm
Position repetition accuracy			±0.05mm
Body weight			540KG
Power capacity			5.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	-90° +135°
		J3	-185° +75°
	Arm axis	J4	±180°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	170° /S
		J2	120° /S
		J3	185° /S
	Arm axis	J4	255° /S
		J5	255° /S
		J6	320° /S

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Universal six axis robot

CD1070B-2100

Wrist can handle a load of 70kg
with a working radius of 2100mm

Model			CD1070B-2100
Type			Vertical joint with 6 degrees of freedom
Payload			70KG
Working radius			2100mm
Position repetition accuracy			±0.05mm
Body weight			540KG
Power capacity			5.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	-90° +135°
		J3	-185° +75°
	Arm axis	J4	±180°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	175° /S
		J2	135° /S
		J3	170° /S
	Arm axis	J4	240° /S
		J5	245° /S
		J6	350° /S

CD1080B-2200

Wrist can handle a load of 80kg
with a working radius of 2200mm

Model			CD1080B-2200
Type			Vertical joint with 6 degrees of freedom
Payload			80KG
Working radius			2200mm
Position repetition accuracy			±0.05mm
Body weight			540KG
Power capacity			5.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	-90° +135°
		J3	-185° +75°
	Arm axis	J4	±180°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	175° /S
		J2	135° /S
		J3	170° /S
	Arm axis	J4	240° /S
		J5	245° /S
		J6	350° /S

CD1080B-2700

Wrist can handle a load of 80kg
with a working radius of 2700mm

Model			CD1080B-2700
Type			Vertical joint with 6 degrees of freedom
Payload			80KG
Working radius			2700mm
Position repetition accuracy			±0.05mm
Body weight			570KG
Power capacity			5.0KVA
Installation method			Ground lifting
Protection level			Equivalent to IP54
Applicable environment			0~45° C, 20~80%RH (No condensation phenomenon)
Main uses			Handling, palletizing, loading and unloading
Action range	Basic axis	J1	±180°
		J2	-90° +135°
		J3	-185° +75°
	Arm axis	J4	±180°
		J5	±130°
		J6	±360°
Maximum speed	Basic axis	J1	170° /S
		J2	120° /S
		J3	185° /S
	Arm axis	J4	255° /S
		J5	255° /S
		J6	320° /S

CD1130B-3200

Wrist can handle a load of 130kg
with a working radius of 3200mm

Model		CD1130B-3200	
Type		Vertical joint with 6 degrees of freedom	
Payload		130KG	
Working radius		3200mm	
Position repetition accuracy		±0.06mm	
Body weight		1050KG	
Power capacity		11KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-60° +90°
		J3	-150° +80°
	Arm axis	J4	±180°
		J5	±125°
		J6	±360°
Maximum speed	Basic axis	J1	110° /S
		J2	100° /S
		J3	100° /S
	Arm axis	J4	150° /S
		J5	140° /S
		J6	190° /S

CD1160B-3200

Wrist can handle a load of 160kg
with a working radius of 3200mm

Model		CD1160B-3200	
Type		Vertical joint with 6 degrees of freedom	
Payload		160KG	
Working radius		3200mm	
Position repetition accuracy		±0.06mm	
Body weight		1050KG	
Power capacity		11KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-60° +90°
		J3	-150° +80°
	Arm axis	J4	±180°
		J5	±125°
		J6	±360°
Maximum speed	Basic axis	J1	110° /S
		J2	100° /S
		J3	100° /S
	Arm axis	J4	150° /S
		J5	140° /S
		J6	190° /S

CD1170B-2700

Wrist can handle a load of 170kg
with a working radius of 2700mm

Model		CD1170B-2700	
Type		Vertical joint with 6 degrees of freedom	
Payload		170KG	
Working radius		2700mm	
Position repetition accuracy		±0.06mm	
Body weight		1020KG	
Power capacity		11KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-60° +90°
		J3	-150° +80°
	Arm axis	J4	±180°
		J5	±125°
		J6	±360°
Maximum speed	Basic axis	J1	120° /S
		J2	110° /S
		J3	120° /S
	Arm axis	J4	200° /S
		J5	210° /S
		J6	265° /S

CD1220B-2700

Wrist can handle a load of 220kg
with a working radius of 2700mm

Model		CD1220B-2700	
Type		Vertical joint with 6 degrees of freedom	
Payload		220KG	
Working radius		2700mm	
Position repetition accuracy		±0.06mm	
Body weight		1020KG	
Power capacity		11KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-60° +90°
		J3	-150° +80°
	Arm axis	J4	±180°
		J5	±125°
		J6	±360°
Maximum speed	Basic axis	J1	100° /S
		J2	72° /S
		J3	95° /S
	Arm axis	J4	110° /S
		J5	110° /S
		J6	151° /S

CD1220B-3200

Wrist can handle a load of 220kg
with a working radius of 3200mm

Model		CD1220B-3200	
Type		Vertical joint with 6 degrees of freedom	
Payload		220KG	
Working radius		3200mm	
Position repetition accuracy		±0.06mm	
Body weight		1050KG	
Power capacity		11KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-60° +90°
		J3	-150° +80°
	Arm axis	J4	±180°
		J5	±125°
		J6	±360°
Maximum speed	Basic axis	J1	110° /S
		J2	100° /S
		J3	100° /S
	Arm axis	J4	150° /S
		J5	140° /S
		J6	190° /S

CD1280B-2700

Wrist can handle a load of 280kg
with a working radius of 2700mm

Model		CD1280B-2700	
Type		Vertical joint with 6 degrees of freedom	
Payload		280KG	
Working radius		2700mm	
Position repetition accuracy		±0.06mm	
Body weight		1020KG	
Power capacity		11KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-60° +90°
		J3	-150° +80°
	Arm axis	J4	±180°
		J5	±125°
		J6	±360°
Maximum speed	Basic axis	J1	100° /S
		J2	72° /S
		J3	95° /S
	Arm axis	J4	110° /S
		J5	110° /S
		J6	151° /S

Four axis handling and palletizing robot

CD1010M-1500

Wrist can handle a load of 10kg
with a working radius of 1500mm

Model		CD1010M-1500	
Type		Vertical joint with 4 degrees of freedom	
Payload		10KG	
Working radius		1500mm	
Position repetition accuracy		±0.05mm	
Body weight		165KG	
Power capacity		3.0KVA	
Installation method		Floor standing, bracket standing, inverted hanging	
Protection level		Equivalent to IP56/IP67	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±170°
		J2	-32° +80°
		J3	+20° -90°
	Arm axis	J4	±360°
Maximum speed	Basic axis	J1	223° /S
		J2	173° /S
		J3	300° /S
	Arm axis	J4	480° /S

CD1030M-1835

Wrist can handle a load of 30kg
with a working radius of 1835mm

Model		CD1030M-1835	
Type		Vertical joint with 4 degrees of freedom	
Payload		30KG	
Working radius		1835mm	
Position repetition accuracy		±0.05mm	
Body weight		220KG	
Power capacity		3.0KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±170°
		J2	-45° +105°
		J3	-20° +105°
	Arm axis	J4	±360°
Maximum speed	Basic axis	J1	172° /S
		J2	172° /S
		J3	212° /S
	Arm axis	J4	350° /S

CD1060M-2100

Wrist can handle a load of 60kg
with a working radius of 2100mm

Model		CD1060M-2100	
Type		Vertical joint with 4 degrees of freedom	
Payload		60KG	
Working radius		2100mm	
Position repetition accuracy		±0.2mm	
Body weight		500KG	
Power capacity		5.0KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-35° +90°
		J3	-15° +110°
	Arm axis	J4	±360°
Maximum speed	Basic axis	J1	170° /S
		J2	148° /S
		J3	185° /S
	Arm axis	J4	285° /S

泰安创东新材料科技有限公司
Tai'an Chuang Dong New Material Technology Co., Ltd.
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Four axis handling and palletizing robot

CD1120M-2400

Wrist can handle a load of 120kg
with a working radius of 2400mm

Model		CD1120M-2400	
Type		Vertical joint with 4 degrees of freedom	
Payload		120KG	
Working radius		2400mm	
Position repetition accuracy		±0.2mm	
Body weight		1020KG	
Power capacity		11KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	+45° -85°
		J3	+20° -120°
	Arm axis	J4	±360°
Maximum speed	Basic axis	J1	100° /S
		J2	104° /S
		J3	104° /S
	Arm axis	J4	290° /S

CD1180M -3200

Wrist can handle a load of 180kg
with a working radius of 3200mm

Model		CD1180M-3200	
Type		Vertical joint with 4 degrees of freedom	
Payload		180KG	
Working radius		3200mm	
Position repetition accuracy		±0.2mm	
Body weight		1150KG	
Power capacity		11KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-41° +90°
		J3	-17° +115°
	Arm axis	J4	±360°
Maximum speed	Basic axis	J1	100° /S
		J2	95° /S
		J3	104° /S
	Arm axis	J4	290° /S

CD1300M-3200

Wrist can handle a load of 300kg
with a working radius of 3200mm

Model		CD1300M-3200	
Type		Vertical joint with 4 degrees of freedom	
Payload		300KG	
Working radius		3200mm	
Position repetition accuracy		±0.2mm	
Body weight		1200KG	
Power capacity		12KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing, loading and unloading	
Action range	Basic axis	J1	±180°
		J2	-41° +90°
		J3	-17° +115°
	Arm axis	J4	±360°
Maximum speed	Basic axis	J1	100° /S
		J2	95° /S
		J3	100° /S
	Arm axis	J4	200° /S

Collaborative palletizing workstation

CD1030D-1800

Wrist can handle a load of 30kg
with a working radius of 1800mm

Model		CD1030D-1800	
Type		Vertical joint with 6 degrees of freedom	
Payload		30KG	
Working radius		1800mm	
Position repetition accuracy		±0.1mm	
Body weight		400KG	
Power capacity		2.0KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C，20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing	
Action range	Basic axis	J1	±180°
		J2	±180°
		J3	±160°
	Arm axis	J4	±180°
		J5	±360°
	Lift shaft	0-600mm	
Maximum speed	Basic axis	J1	120° /S
		J2	120° /S
		J3	140° /S
	Arm axis	J4	180° /S
		J5	180° /S
	Lift shaft	200mm/S	

CD1040D-2000

Wrist can handle a load of 50kg
with a working radius of 2000mm

Model		CD1040D-2000	
Type		Vertical joint with 6 degrees of freedom	
Payload		50KG	
Working radius		2000mm	
Position repetition accuracy		±0.08mm	
Body weight		750KG	
Power capacity		3.0KVA	
Installation method		ground	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C，20-80%RH (No condensation phenomenon)	
Main uses		Handling, palletizing	
Action range	Basic axis	J1	±170°
		J2	+90° -160°
		J3	+165° -85°
	Arm axis	J4	±170°
		J6	±360°
	Lift shaft	0-600mm	
Maximum speed	Basic axis	J1	220° /S
		J2	180° /S
		J3	200° /S
	Arm axis	J4	360° /S
		J6	400° /S
	Lift shaft	200mm/S	

welding robot

CD1010H-1440

Wrist can handle a load of 10kg
with a working radius of 1440mm

Model		CD1010H-1440	
Type		Vertical joint with 6 degrees of freedom	
Payload		10KG	
Working radius		1440mm	
Position repetition accuracy		±0.05mm	
Body weight		160KG	
Power capacity		2.0KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C，20-80%RH (No condensation phenomenon)	
Main uses		Welding specific	
Action range	Basic axis	J1	±180°
		J2	-155° +90°
		J3	-150° +85°
	Arm axis	J4	±170°
		J5	-116° +150°
		J6	±360°
Maximum speed	Basic axis	J1	200° /S
		J2	185° /S
		J3	155° /S
	Arm axis	J4	265° /S
		J5	210° /S
		J6	260° /S

CD1012H-2010

Wrist can handle a load of 12kg
with a working radius of 2010mm

Model		CD1012H-2010	
Type		Vertical joint with 6 degrees of freedom	
Payload		12KG	
Working radius		2010mm	
Position repetition accuracy		±0.05mm	
Body weight		180KG	
Power capacity		2.0KVA	
Installation method		Ground lifting	
Protection level		Equivalent to IP54	
Applicable environment		0-45° C，20-80%RH (No condensation phenomenon)	
Main uses		Welding specific	
Action range	Basic axis	J1	±180°
		J2	-155° +105°
		J3	-160° +86°
	Arm axis	J4	±170°
		J5	-116° +150°
		J6	±360°
Maximum speed	Basic axis	J1	175° /S
		J2	120° /S
		J3	180° /S
	Arm axis	J4	265° /S
		J5	210° /S
		J6	260° /S

CD1020X-1800

Wrist can handle a load of 20kg
with a working radius of 1800mm

Model		CD1020X-1800
Type		Vertical joint with 6 degrees of freedom
Payload		20KG
Working radius		1800mm
Position repetition accuracy		±0.03mm
Body weight		68KG
Power capacity		1.5KVA
Installation method		Ground lifting
Protection level		Equivalent to IP54
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Handling, palletizing, loading and unloading
Action range	Basic axis	J1 ±180°
		J2 ±180°
		J3 ±160°
	Arm axis	J4 ±180°
		J5 ±180°
		J6 ±360°
Maximum speed	Basic axis	J1 120° /S
		J2 120° /S
		J3 120° /S
	Arm axis	J4 150° /S
		J5 180° /S
		J6 180° /S

CD1140Z-2400

Wrist can handle a load of 140kg
with a working radius of 2400mm

Model		CD1140Z-2400
Type		Vertical joint with 2 degrees of freedom
Payload		140KG
Working radius		2400mm
Position repetition accuracy		±0.2mm
Body weight		750KG
Power capacity		7.5KVA
Installation method		ground
Protection level		Equivalent to IP54
Applicable environment		0-45° C, 20-80%RH (No condensation phenomenon)
Main uses		Handling and boxing
Action range	Basic axis	J1
		J2 +45° -85°
		J3 +20° -120°
	Arm axis	J4
		J5
		J6
Maximum speed	Basic axis	J1
		J2 104° /S
		J3 104° /S
	Arm axis	J4
		J5
		J6

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Product Overview

ChuangDong Explosion proof series robots provide a load range of 5-300kg to meet diverse operational needs. The product system is complete, including robotic arms, teaching devices, control cabinets, and integrated intelligent application systems such as palletizing and welding.

Core strengths

1. Excellent explosion-proof rating, the cornerstone of safety

Obtained national authoritative explosion-proof certification;Strictly follow national standards such as GB/T 3836;Comprehensive security performance upgrade: Ex db eb pxb IIB T4 Gb,Ex pxb tb IIIC T130 ℃ Db with high-level explosion-proof certification;Not afraid of harsh industrial environments such as flammable and explosive gases, dust, etc.

2. Multiple explosion-proof designs, zero risk

The leakage compensation positive pressure explosion proof system using a medium isolated ignition source has excellent and reliable sealing performance;Multiple sealing technologies are applied to the shell to construct an intrinsically safe and positive pressure composite explosion-proof structure;Equipped with a real-time pressure monitoring system to achieve full process safety detection, reducing the risk of explosion to almost zero.

3. High level protection to resist water and dust invasion

The robotic arm adopts a high sealing structure design as a whole; Realize IP65 protection level, effectively prevent splashing water and various types of dust from entering, and ensure the internal safety of the equipment.

ChuangDong Explosion proof Series Robots

safe and reliable
Capable of handling high-risk environments

Widely used

Core industries: automobile manufacturing, petrochemicals, military industry, spraying, pharmaceuticals.
Typical scenarios: high-risk processes such as military production, powder/spray painting operations, fuel injection, transportation of flammable and explosive materials, polishing and grinding.

OPIS intelligent interactive system integrated cabinet

1. Operation interface

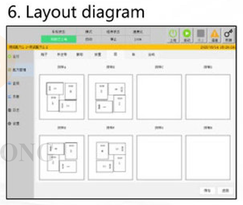
2. Formula management

3. Parameter settings

4. Formula Editing

5. Capture monitoring

6. Layout diagram



Core strengths

1. Zero programming intelligent interactive terminal

Equipped with a 15.5-inch industrial grade multi touch screen, integrated visual and intuitive operation interface, reducing the operating threshold;

2. One click intelligent palletizing interaction system

Adopting self-developed intelligent algorithms, the traditional 200+parameter settings have been simplified into 6 basic parameter inputs, improving operational efficiency;

3. Visual graphics drag and drop model

Support gesture sliding stack modeling to achieve a "what you see is what you get" 3D stack preview, making it easy to quickly adjust and optimize;

4. Support storage of over 100 custom formulas

Pre installed databases for six major industry standards including food, building materials, and chemical engineering, supporting flexible calling of over a hundred custom formulas to meet diverse production needs.

systemic value

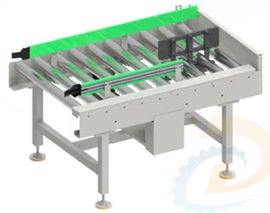
The system achieves ultimate performance through deep collaboration between hardware and software. Graphic drag and drop intelligent models completely break down programming barriers. Users only need to use an intuitive graphical interface to simply drag and drop product models, set stacking parameters (such as layers, arrangement, and gripping points), and the system will automatically generate the optimal stacking path based on algorithms. Even when facing complex shaped products or irregular stacking patterns, it can quickly complete programming.

Compared to the traditional offline programming that requires hours or even days of debugging cycles, the Kewei system has significantly reduced the originally hours or even days of debugging time to less than 10 minutes, greatly improving the efficiency of production line changeover and perfectly adapting to small batch and multi variety production scenarios. Significantly reducing the technical threshold and time cost of automation deployment (increasing deployment efficiency by ≥ 60%), providing an efficient, agile, and highly ROI practical path for the intelligent transformation and upgrading of small and medium-sized manufacturing enterprises.

Collaborative palletizing workstation roller conveyor

Single axis vertical frame type

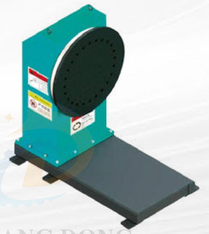
Collaborative Palletizing Workstation Roller Conveyor (Case Palletizing Type)



Name	Collaborative palletizing workstation roller conveyor
Size	customizable
Speed	2-20m/min (adjustable)
conveying capacity	≤40KG
workmanship	powder coating
texture of material	Carbon steel/stainless steel
Power Supply	220V

Robot welding gun cleaning station

Single axis L-shaped positioner



Dual axis horizontal displacement machine

Single axis horizontal rotation type

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Tai'an Chuang Dong New Material Technology Co., Ltd.

ChuangDong industrial robot family serves allwalks of life around the world.

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