



AUCTECH Makes Human Life
and Manufacturing More Convenient



AUCTECH B Series Industrial Robot Catalog

AUCTECH Robotics

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AUCTECH-V5.0



AUCTECH

To be a world-leading robot expert

AUCTECH industrial robots are faster, more reliable, and more precise.

Every second and every motion of industrial robots matter throughout manufacturing, and that explains why robot reliability and speed come first for us. After years of updating and improving, our products have become faster and more reliable, with more functions integrated into a compact size. That makes applications easier, production more stable, and intelligent manufacturing more efficient.

Product Advantages



Faster

- Faster motion speed thanks to the optimized robot hardware design.
- Higher rigidity during high speed based on powerful servo motors and drives.

More Reliable

- IP67-rated protection allows for performance in diverse environments.
- The best quality components, with optimized software and hardware, ensure long-term and reliable operation.

More Flexible

- The B series industrial robots have wide range of communication interfaces for most convenient system integration in various applications.
- Multiple special firmware, e.g. welding, palletizing, enable faster commissioning and help customers achieve best results.

Easy to Use

- Robots are designed for easy maintenance, with rapid technical support available.

Strong Portfolio

- 6-axis industrial robots from 4kg to 280kg and SCARA robots from 4kg to 25kg, Full range of robots to cover most of applications.

Complete Sales Package

- A comprehensive welding package configuration is available, significantly reducing customers' procurement and commissioning costs.

Rich Communication Protocols

- Industrial robots built-in EtherCAT (master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave).
- SCARA built-in EtherCAT (master), optional Profinet (slave).

Product Series



BM Series
Large-load 6-Axis Robot

Payload:	50kg	70kg	
Reach:	2650mm	2150mm	
Payload:	180kg	220kg	280kg
Reach:	3200mm	2700mm	2650mm



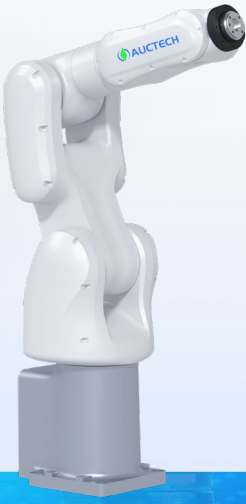
BM Series
Universal 6-Axis Robot

Payload:	15kg	25kg	20kg
Reach:	1500mm	1840mm	2100mm
Payload:	30kg	35kg	45kg
Reach:	2100mm	1870mm	1870mm



Welding Robot

Payload:	10kg	10kg
Reach:	1500mm	2050mm



BM Series
Mini 6-Axis Robot

Payload:	10kg
Reach:	740mm 920mm



SCARA Robot

Payload:	Rated 1kg Max 4kg	Rated 5kg Max 10kg	Rated 10kg Max 25kg
Reach:	300mm 400mm	500mm 600mm 700mm 800mm	800mm 900mm 1000mm

SCARA Robot

- Faster speed, ensuring higher production cycle efficiency for customers.
- Better rigidity, suitable for rapid acceleration and deceleration and precise positioning under heavy loads.
- More model options, ensuring customers can choose the most suitable product.
- More competitive products and solutions to meet the automation needs of customers worldwide.

Model		BM-04SC-300		BM-04SC-400	
Axis		4		4	
Reach		300mm		400mm	
Power capacity		1.5KVA			
Payload		Rated 1kg/Max 4kg			
Pepeatability		±0.02mm		±0.02mm	
Weight		15kg		15.5kg	
Built-in air tube		φ6		φ6	
Protection class		IP65(robot body)/IP54(control cabinet)			
Moving range & speed	Axis 1S	5950mm/s	±120°	7200mm/s	±145°
	Axis 2L		±120°		±145°
	Axis 3U	1200mm/s	150mm	1200mm/s	150mm
	Axis 4R	880°/s	±360°	880°/s	±360°
Signals		Standard 16DI/16DO, 24VDC			
Installation		Floor type			
Application		Sorting, Loading/Unloading, Labeling, Dispensing, Assembly, Handling			
Communication method		SCARA built-in EtherCAT (master), optional Profinet (slave)			
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.			



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Model		BM-10SC-500		BM-10SC-600		BM-10SC-700		BM-10SC-800	
Axis		4		4		4		4	
Reach		500mm		600mm		700mm		800mm	
Power capacity		2.0KVA							
Payload		Rated 5kg/Max 10kg							
Pepeatability		±0.02mm		±0.02mm		±0.02mm		±0.02mm	
Weight		24kg		28kg		29kg		32kg	
Built-in air tube		φ6		φ6		φ6		φ6	
Protection class		IP65(robot body)/IP54(control cabinet)							
Moving range &speed	Axis 1S	7380mm/s	±135°	8100mm/s	±135°	9580mm/s	±135°	10927.2mm/s	±135°
	Axis 2L		±145°		±150°		±150°		±150°
	Axis 3U	1100mm/s	200mm	1100mm/s	200mm	1100mm/s	200mm	1100mm/s	200mm
	Axis 4R	880°/s	±360°	880°/s	±360°	880°/s	±360°	880°/s	±360°
Signals		Standard 16DI/16DO, 24VDC							
Installation		Floor type							
Application		Sorting, Loading/Unloading, Labeling, Dispensing, Assembly, Handling							
Communication method		SCARA built-in EtherCAT (master), optional Profinet (slave)							
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.							



SCARA Robot

- Faster speed, ensuring higher production cycle efficiency for customers.
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- More competitive products and solutions to meet the automation needs of customers worldwide.

Model		BM-25SC-800		BM-25SC-900		BM-25SC-1000	
Axis		4		4		4	
Reach		800mm		900mm		1000mm	
Power capacity		3.0KVA					
Payload		Rated 10kg/Max 25kg					
Pepeatability		±0.025mm					
Weight		63kg		64.5kg		66kg	
Built-in air tube		φ8		φ8		φ8	
Protection class		IP65(robot body)/IP54(control cabinet)					
Moving range & speed	Axis 1S	9210mm/s	±135°	10360mm/s	±135°	11520mm/s	±135°
	Axis 2L		±150°		±150°		±150°
	Axis 3U	2020mm/s	420mm	2020mm/s	420mm	2020mm/s	420mm
	Axis 4R	720°/s	±360°	720°/s	±360°	720°/s	±360°
Signals		Standard 16DI/16DO, 24VDC					
Installation		Floor type					
Application		Sorting, Loading/Unloading, Labeling, Dispensing, Assembly, Handling					
Communication method		SCARA built-in EtherCAT (master), optional Profinet (slave)					
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.					



Welding Robot

- Specifically designed for welding, ensuring the welding tube can be arranged within the robot body.
- Better motion performance, improving welding speed and efficiency.
- Good robot rigidity, ensuring high-quality welding even at high speeds.
- A wide range of welding accessory options. AUCTECH provides a complete welding package, including welding machines, welding torches, and other accessories.

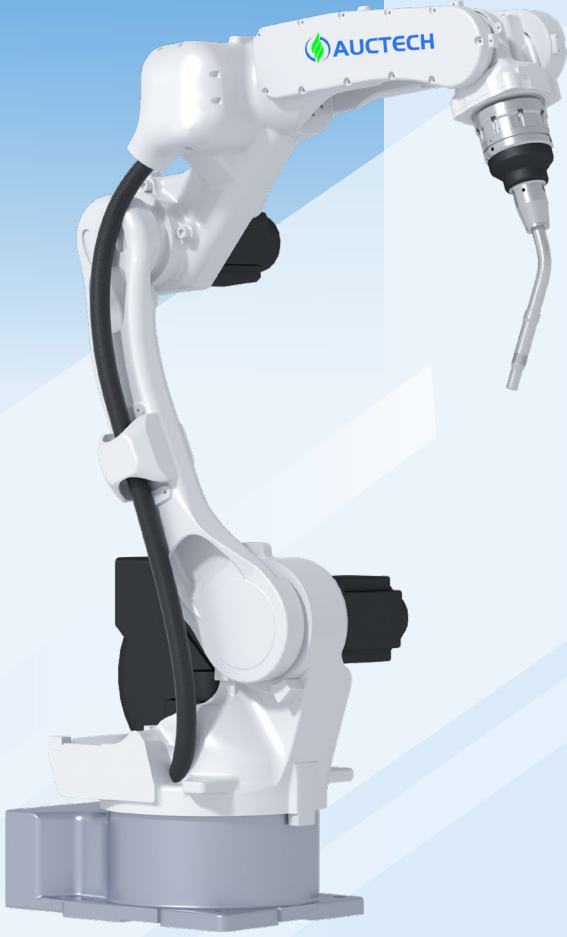
Model		BM-10W-1500		BM-10W-2050	
Axis		6		6	
Reach		1500mm		2050mm	
Power capacity		4.5KVA		4.5KVA	
Payload		10kg		10kg	
Pepeatability		±0.03mm		±0.03mm	
Weight		145kg		268kg	
Built-in air tube		φ8		φ10	
Protection class		IP65/IP67*		IP65/IP67*	
Moving range &speed	Axis 1S	245°/s	±180°	204°/s	±180°
	Axis 2L	210°/s	+90° to -170°	245°/s	-85° to +160°
	Axis 3U	250°/s	+160° to -92°	275°/s	-85° to +150°
	Axis 4R	330°/s	±150°	330°/s	±150°
	Axis 5B	460°/s	+90° to -135°	460°/s	-90° to +135°
	Axis 6T	700°/s	±360°	700°/s	±210°
	Axis 4R (N.m)	22		25	
	Axis 5B (N.m)	22		25	
	Axis 6T (N.m)	10		15	
Signals		Standard 16DI/16DO, 24VDC			
Installation		Floor type			
Application		Welding-Specific(Gas Shielded Welding, Tungsten Inert Gas(TIG)Welding, Laser Welding, Aluminum Welding, Stainless Steel Welding, Carbon Steel Welding)			
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)			
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.			

*Protection class: Axis 1/2/3 , IP65 ; Axis 4/5/6, IP67

Applications



Welding-Specific(Gas Shielded Welding, Tungsten Inert Gas(TIG)Welding, Laser Welding, Aluminum Welding, Stainless Steel Welding, Carbon Steel Welding)



BM Series Mini 6-Axis Robot

- Latest structural optimization design, providing high rigidity during robot movement.
- Supports various installation methods: floor type, frame type, ceiling type, etc.
- Outstanding stability and industry-leading motion speed to meet quality and cycle time requirements.

Model		BM-10S-740		BM-10S-920	
Axis		6		6	
Reach		740mm		920mm	
Power capacity		3.0KVA		3.0KVA	
Payload		10kg		10kg	
Pepeatability		±0.02mm		±0.02mm	
Weight		45kg		47kg	
Built-in air tube		φ6		φ6	
Protection class		IP67		IP67	
Moving range & speed	Axis 1S	300°/s	±170°	300°/s	±170°
	Axis 2L	300°/s	-140° to +70°	300°/s	-140° to +80°
	Axis 3U	400°/s	-75° to +200°	400°/s	-75° to +200°
	Axis 4R	550°/s	±190°	550°/s	±190°
	Axis 5B	560°/s	±130°	560°/s	±130°
	Axis 6T	975°/s	±360°	975°/s	±360°
Signals	Standard 16DI/16DO, 24VDC				
Installation	Floor type/Frame type/Ceiling type				
Application	Sorting, Inspection, Loading/Unloading, Labeling, Dispensing, Assembly, Handling				
Communication method	EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)				
Number of supported external axes	Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.				



BM Series Universal 6-Axis Robot

- Longer arm reach compared to robots of the same class, easily handling a wider range of applications.
- High-inertia motion characteristics, perfect for high-inertia operational scenarios.
- Higher protection level, adaptable to harsh environments.

Model

BM-15-1550

Axis		6	
Reach		1550mm	
Power capacity		8.0KVA	
Payload		15kg	
Pepeatability		±0.03mm	
Weight		147kg	
Built-in air tube		φ8	
Protection class		IP65/IP67*	
Moving range & speed	Axis 1S	290°/s	±180°
	Axis 2L	237°/s	+90° to -170°
	Axis 3U	270°/s	+155° to -90°
	Axis 4R	360°/s	±190°
	Axis 5B	360°/s	±135°
	Axis 6T	700°/s	±360°
	Axis 4R(N.m)	23	
	Axis 5B(N.m)	23	
	Axis 6T(N.m)	10	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type	
Application		Spraying, Cutting, Handling, Loading/Unloading	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP65; Axis 4/5/6, IP67



BM Series Universal 6-Axis Robot

- Longer arm reach compared to robots of the same weight class, easily handling different applications.
- Lightweight design of the robot body, providing higher motion speed.
- High-rigidity robot body and high-load servo motors, ensuring better load performance.

Model

BM-20-2100

Axis		6	
Reach		2100mm	
Power capacity		8.0KVA	
Payload		20kg	
Pepeatability		±0.03mm	
Weight		264kg	
Built-in air tube		φ8	
Protection class		IP65/IP67*	
Moving range &speed	Axis 1S	202°/s	±180°
	Axis 2L	212°/s	+98° to -160°
	Axis 3U	270°/s	+200° to -155°
	Axis 4R	470°/s	±200°
	Axis 5B	409°/s	+40°to -2255°
	Axis 6T	654°/s	±360°
	Axis4R(N.m)	80	
	Axis5B(N.m)	80	
	Axis6T(N.m)	50	
Signals	Standard 16DI/16DO, 24VDC		
Installation	Floor type/Frame type/Ceiling type		
Application	Spraying, Loading/Unloading, Handling, Cutting		
Communication method	EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)		
Number of supported external axes	Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.		

*Protection class: Axis 1/2/3 , IP65 ; Axis 4/5/6, IP67



BM Series Universal 6-Axis Robot

- 5-axis high-speed robot, used for high-cycle applications such as palletizing and loading/unloading.

Model

BM-25-1840

Axis		6	
Reach		1840mm	
Power capacity		4.5KVA	
Payload		25kg	
Pepeatability		±0.05mm	
Weight		203kg	
Built-in air tube		φ10	
Protection class		IP65/IP67*	
Moving range &speed	Axis 1S	204°/s	±180°
	Axis 2L	206°/s	+90° to -160°
	Axis 3U	285°/s	+85° to -155°
	Axis 4R	360°/s	±190°
	Axis 5B	409°/s	±135°
	Axis 6T	654°/s	±360°
	Axis 4R(N.m)	50	
	Axis 5B(N.m)	50	
	Axis 6T(N.m)	30	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type/Frame type/Ceiling type	
Application		Loading/Unloading, Handling, Palletizing	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP56; Axis 4/5/6, IP67



BM Series Universal 6-Axis Robot

- Longer arm reach compared to robots of the same weight class, easily handling different applications.
- Lightweight design of the robot body, providing higher motion speed.
- High-rigidity robot body and high-load servo motors, ensuring better load performance.

Model

BM-30-2100

Axis		6	
Reach		2100mm	
Power capacity		8.0KVA	
Payload		30kg	
Pepeatability		±0.05mm	
Weight		264kg	
Built-in air tube		φ8	
Protection class		IP54/IP67*	
Moving range &speed	Axis 1S	202°/s	±180°
	Axis 2L	212°/s	+98° to -160°
	Axis 3U	270°/s	+200° to -80°
	Axis 4R	470°/s	±200°
	Axis 5B	405°/s	+130°
	Axis 6T	650°/s	±360°
	Axis 4R(N.m)	80	
	Axis 5B(N.m)	80	
	Axis 6T(N.m)	50	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type/Frame type/Ceiling type	
Application		Spraying, Loading/Unloading, Handling, Cutting	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP65 ; Axis 4/5/6, IP67

Applications



Loading /Unloading



Handling



Spraying



Cutting



BM Series Universal 6-Axis Robot

- Longer arm reach compared to robots of the same weight class, easily handling different applications.
- Lightweight design of the robot body, providing higher motion speed.
- High-rigidity robot body and high-load servo motors, ensuring better load performance.

Model

BM-35-1870

Axis		6	
Reach		1870mm	
Power capacity		8.0KVA	
Payload		35kg	
Pepeatability		±0.05mm	
Weight		260kg	
Built-in air tube		φ8	
Protection class		IP54/IP67*	
Moving range & speed	Axis 1S	202°/s	±180°
	Axis 2L	211°/s	+98° to -160°
	Axis 3U	234°/s	+200° to -80°
	Axis 4R	470°/s	±200°
	Axis 5B	405°/s	+130°
	Axis 6T	535°/s	±360°
	Axis4R(N.m)	80	
	Axis5B(N.m)	80	
	Axis6T(N.m)	50	
Signals	Standard 16DI/16DO, 24VDC		
Installation	Floor type/Frame type/Ceiling type		
Application	Loading/Unloading, Handling, Spraying, Cutting, Grinding, Die Casting		
Communication method	EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)		
Number of supported external axes	Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.		

*Protection class: Axis 1/2/3 , IP54 ; Axis 4/5/6, IP67

Applications



Loading /Unloading



Spraying



Cutting



Handling



Laser



BM Series Universal 6-Axis Robot

- Longer arm reach compared to robots of the same weight class, easily handling different applications.
- Lightweight design of the robot body, providing higher motion speed.
- High-rigidity robot body and high-load servo motors, ensuring better load performance.

Model

BM-45-1870

Axis		6	
Reach		1870mm	
Power capacity		8.0KVA	
Payload		45kg	
Pepeatability		±0.05mm	
Weight		286kg	
Built-in air tube		φ8	
Protection class		IP54/IP67*	
Moving range & speed	Axis 1S	202°/s	±180°
	Axis 2L	211°/s	+98° to -160°
	Axis 3U	210°/s	+200° to -80°
	Axis 4R	420°/s	±200°
	Axis 5B	285°/s	+125°
	Axis 6T	410°/s	±360°
	Axis 4R(N.m)	103	
	Axis 5B(N.m)	103	
	Axis 6T(N.m)	100	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type/Frame type/Ceiling type	
Application		Loading/Unloading, Handling, Spraying, Cutting, Grinding, Die Casting	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP54 ; Axis 4/5/6, IP67



BM Series Large-load 6-Axis Robot

- Longer arm reach compared to robots of the same class, easily handling a wider range of applications.
- High-inertia motion characteristics, perfect for high-inertia operational scenarios.
- Higher protection level, adaptable to harsh environments.

Model

BM-50-2650

Axis		6	
Reach		2650mm	
Power capacity		8.0KVA	
Payload		50kg	
Pepeatability		±0.05mm	
Weight		555kg	
Built-in air tube		φ8	
Protection class		IP67	
Moving range & speed	Axis 1S	180°/s	±180°
	Axis 2L	155°/s	+120° to -150°
	Axis 3U	200°/s	+190° to -80°
	Axis 4R	260°/s	±190°
	Axis 5B	260°/s	±125°
	Axis 6T	370°/s	±360°
	Axis 4R(N.m)	262	
	Axis 5B(N.m)	262	
	Axis 6T(N.m)	193	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type	
Application		Stamping, Handling, Loading/Unloading, Grinding, Cutting	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP56; Axis 4/5/6, IP67

Applications



Loading /Unloading



Handling



Spraying



Cutting



Stamping



BM Series Large-load 6-Axis Robot

- Longer arm reach compared to robots of the same class, easily handling a wider range of applications.
- High-inertia motion characteristics, perfect for high-inertia operational scenarios.
- Higher protection level, adaptable to harsh environments.

Model

BM-70-2150

Axis		6	
Reach		2150mm	
Power capacity		8.0KVA	
Payload		70kg	
Pepeatability		±0.05mm	
Weight		545kg	
Built-in air tube		φ8	
Protection class		IP67	
Moving range &speed	Axis 1S	180°/s	±180°
	Axis 2L	155°/s	+120° to -150°
	Axis 3U	200°/s	+190° to -80°
	Axis 4R	260°/s	±190°
	Axis 5B	260°/s	±125°
	Axis 6T	370°/s	±360°
	Axis 4R(N.m)	262	
	Axis 5B(N.m)	262	
	Axis 6T(N.m)	193	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type	
Application		Stamping, Handling, Loading/Unloading, Grinding	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP56; Axis 4/5/6, IP67

Applications



Loading /Unloading



Handling



Stamping



Grinding



BM Series Large-load 6-Axis Robot

- Greater load capacity and longer arm reach compared to robots of the same class, easily handling a wider range of applications.
- High-inertia motion characteristics, perfect for high-inertia operational scenarios.
- Higher protection level, adaptable to harsh environments.

Model

BM-180-3200

Axis		6	
Reach		3200mm	
Power capacity		25.0KVA	
Payload		180kg	
Pepeatability		±0.06mm	
Weight		1300kg	
Built-in air tube		φ10	
Protection class		IP54/IP67*	
Moving range & speed	Axis 1S	120°/s	±180°
	Axis 2L	110°/s	+60° to -80°
	Axis 3U	115°/s	+95° to -80°
	Axis 4R	190°/s	±210°
	Axis 5B	185°/s	±125°
	Axis 6T	280°/s	±360°
	Axis 4R(N.m)	1134	
	Axis 5B(N.m)	1134	
	Axis 6T(N.m)	735	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type	
Application		Loading/Unloading, Handling, Spraying, Cutting	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP54; Axis 4/5/6, IP67

Applications



Loading /Unloading



Handling



Spraying



Cutting



BM Series Large-load 6-Axis Robot

- Greater load capacity and longer arm reach compared to robots of the same class, easily handling a wider range of applications.
- High-inertia motion characteristics, perfect for high-inertia operational scenarios.
- Higher protection level, adaptable to harsh environments.

Model

BM-220-2700

Axis		6	
Reach		2700mm	
Power capacity		25.0KVA	
Payload		220kg	
Pepeatability		±0.08mm	
Weight		1060kg	
Built-in air tube		φ10	
Protection class		IP54/IP67*	
Moving range & speed	Axis 1S	114°/s	±180°
	Axis 2L	95°/s	+60° to -80°
	Axis 3U	130°/s	+157.5° to -80°
	Axis 4R	300°/s	±190°
	Axis 5B	243°/s	±125°
	Axis 6T	357°/s	±360°
	Axis4R(N.m)	1045	
	Axis5B(N.m)	1045	
	Axis6T(N.m)	858	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type	
Application		Loading/Unloading, Handling, Stamping, Spot welding	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP54; Axis 4/5/6, IP67



BM Series Large-load 6-Axis Robot

- Greater load capacity and longer arm reach compared to robots of the same class, easily handling a wider range of applications.
- High-inertia motion characteristics, perfect for high-inertia operational scenarios.
- Higher protection level, adaptable to harsh environments.

Model

BM-280-2650

Axis		6	
Reach		2650mm	
Power capacity		25.0KVA	
Payload		280kg	
Pepeatability		±0.08mm	
Weight		1240kg	
Built-in air tube		φ10	
Protection class		IP54/IP67*	
Moving range & speed	Axis 1S	120°/s	±180°
	Axis 2L	110°/s	+60° to -80°
	Axis 3U	115°/s	+95° to -80°
	Axis 4R	190°/s	±210°
	Axis 5B	135°/s	±125°
	Axis 6T	220°/s	±360°
	Axis 4R(N.m)	1134	
	Axis 5B(N.m)	1134	
	Axis 6T(N.m)	752	
Signals		Standard 16DI/16DO, 24VDC	
Installation		Floor type	
Application		Loading/Unloading, Handling, Spraying, Cutting	
Communication method		EtherCAT(master), CAN (master), TCP/IP (master/slave), ModbusTCP (master/slave), ModbusRTU (master/slave), Ethernet/IP (slave), optional Profinet (slave)	
Number of supported external axes		Up to 5 external axes, including 2 two-degree-of-freedom positioners and 1 single-degree-of-freedom linear guide.	

*Protection class: Axis 1/2/3 , IP54; Axis 4/5/6, IP67

Applications



Loading /Unloading



Handling



Palletizing



Stamping

