

BR-AJC

kitagawa

Automatic Jaw Changing system

Can be installed with standard BR chuck and standard jaws
The gripping accuracy after jaw replacement is 0.01mm T.I.R
or less



BR-AJC_E
(End effector)



BR
SERIES

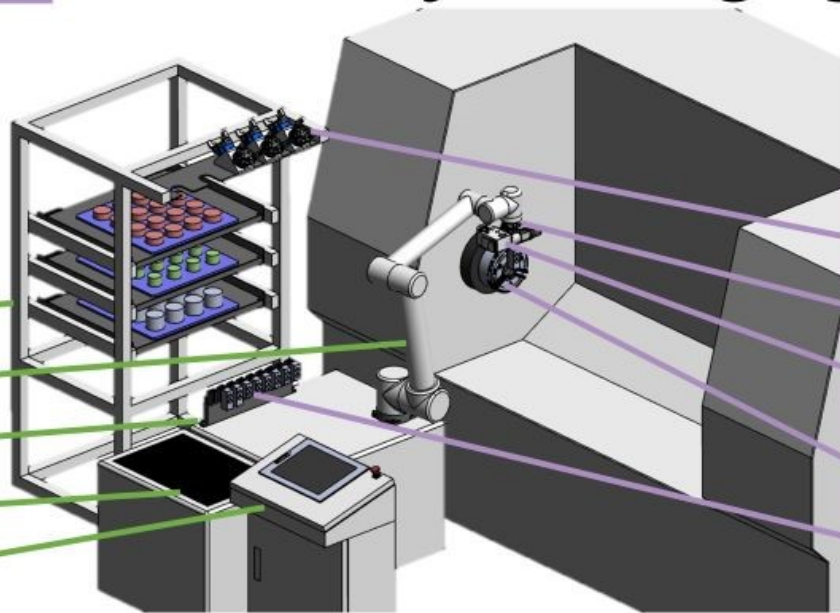


**ROBOT
ACCESSORY**

BR/BRT chuck to unmanned automatic jaw changing system

Customer responsibility

NC lathe (with C-axis)
Work stoker
Robot
Jaw stoker base
Jaw cleaning devise
Control panel



Kitagawa responsibility

Workpiece transportation gripper
Hand changer
End effector (BR-AJC_E)
BR chuck
Jaw stoker

BR-AJC

Pat. No. 6823227
Pat. No. 6836637

- 1 Existing BR chuck and jaws can be used **as they are.**
- 2 Gripping accuracy after jaw replacement is **0.01mm T.I.R. or less.**
➡ **No jaw reforming is required.**
- 3 Light weight and compact design
- 4 Comprehensive proposals can be offered, including grippers and hand changers.

Jaw installation procedure



Transport jaw



Insert jaw



Tighten bolts

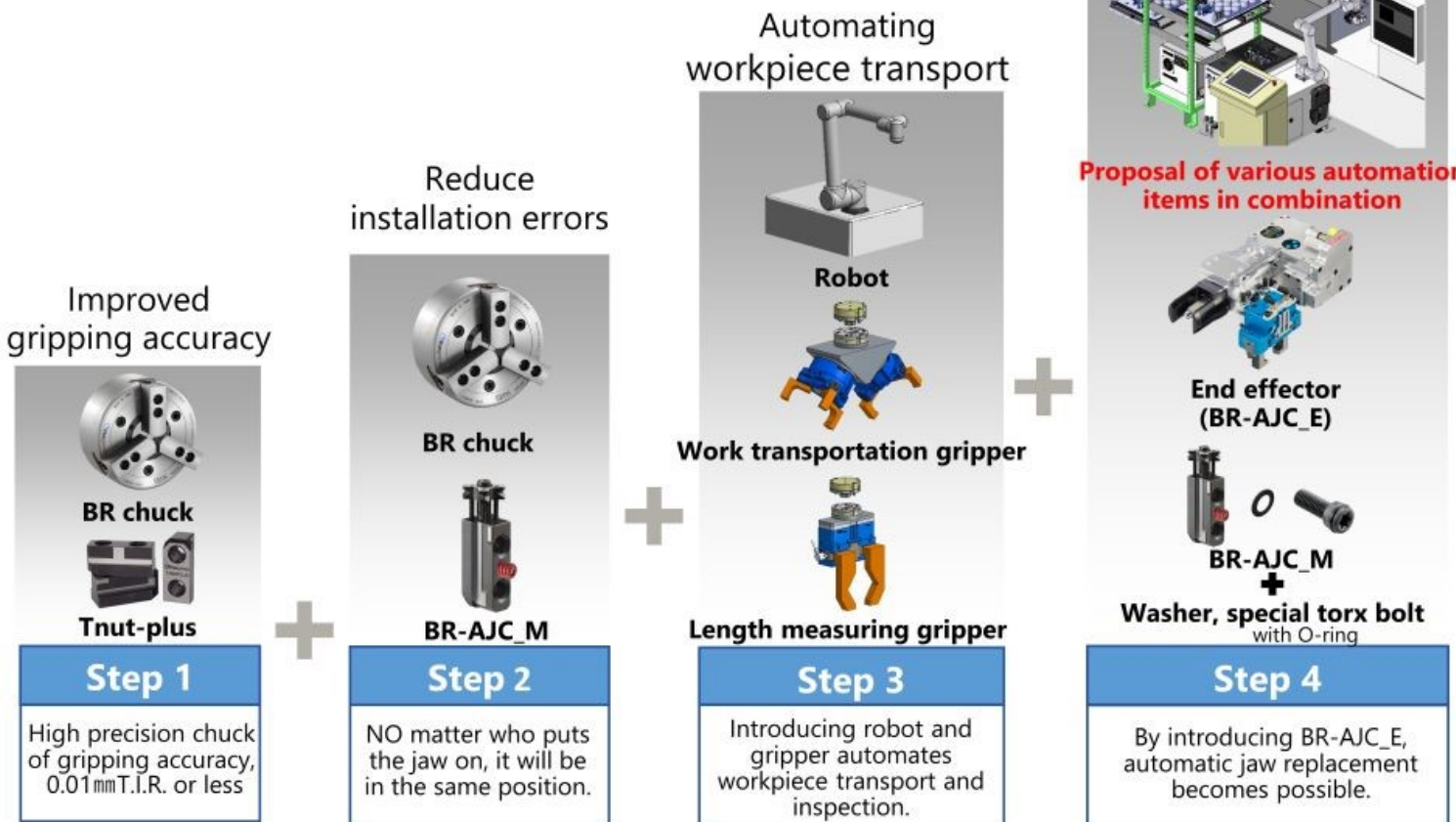
Phased introduction is possible

- Existing facilities can be used
- Introduction cost can be spread

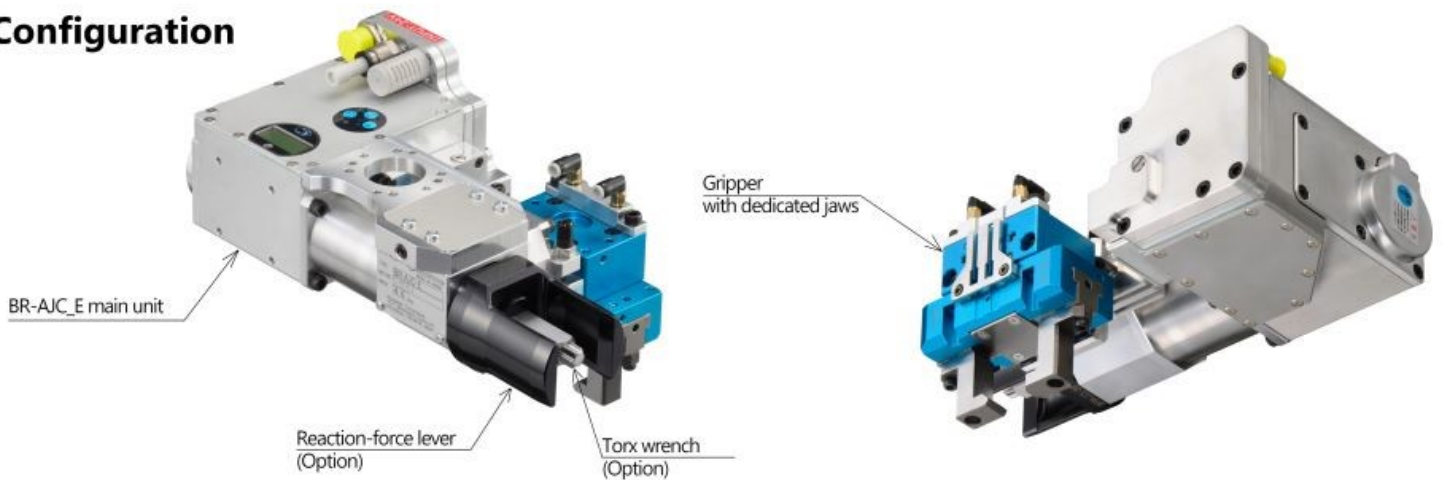
Multi-product automated production



Proposal of various automation items in combination



Configuration



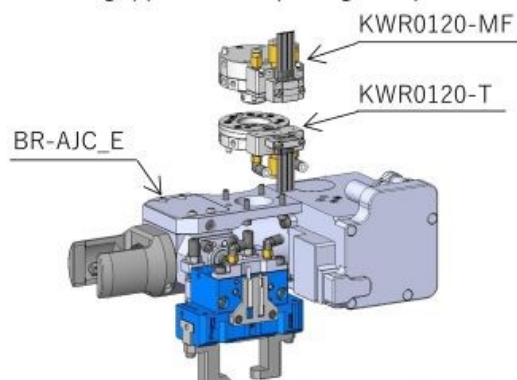
Specification

Type		BR-AJC06E	BR-AJC08E	BR-AJC10E
Dimensions	Length (mm)	265		
	Height (mm)	140		
	Width (mm)	139		
Mass (kg)		5.5		
Preset torque (Nm)		47	80	107
Suitable chuck		BR06 / BRT06	BR08 / BRT08	BR10 / BRT10
Suitable soft jaw *Max. jaw height: 56 mm		SJ06B1 SJ06S1 SJ06A1T SJ06A1-066* SJ06A1T066*	SJ08B1 SJ08S1 SJ08A1 SJ08A1-056 SJ08A1T056	SJ10B1 SJ10S1 SJ10A1 SJ10A1-056

*Please form jaws so that the maximum height is 56mm or less.

Hand changer can be installed

The Kitagawa robot hand changer KWR0120 can be directly attached, so it can also be used in conjunction with a gripper for transporting workpieces.



*The robot hand changer must be purchased separately.

System configuration



BR chuck

BR-AJC_E + Reaction force lever + Torx wrench

Dedicated T-nut BR-AJC_M

Washer

Special Torx bolt with O-ring

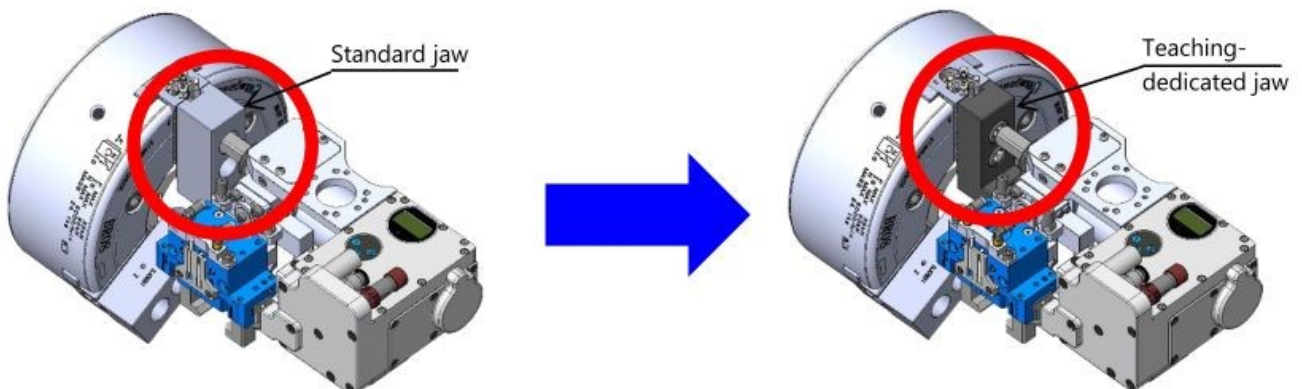
Jaw stocker

Chuck type	Core components			Dedicate T-nuts	Wsher	Torx bolts with O-rings	Jaw stockers
	Main unit	Reaction-force lever	Torx wrench				
BR06 / BRT06	BR-AJC-E with jaw transport gripper	BRAJCL06	BRAJCWT10	BR-AJC06M	BRAJCWS10	M10x25	BR-AJC06S
BR08 / BRT08		BRAJCL08	BRAJCWT12	BR-AJC08M	BRAJCWS12	M12x30	BR-AJC08S
BR10 / BRT10		BRAJCL10		BR-AJC10M			BR-AJC10S

1. Stocker bases are not included with the jaw stockers.
2. The robot, jaw cleaning device, system setup, and other necessary components are to be arranged by the customer.

Teaching Startup Set (Option)

Teaching can be performed by observing the Torx socket on the bolt head using a teaching-dedicated jaw.



Contents



Kitagawa product technical information is available on the Kitagawa Web Showroom.
<https://prod.kiw.co.jp/exhibition/mtools/en/>



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<https://www.kiw.co.jp>

<https://www.kitagawa.com>

<https://www.kitagawa.com.cn>

Kitagawa Corporation

Kitagawa Global hand Company

77-1 Motomachi, Fuchu-shi, Hiroshima-pref. 726-8610, Japan Tel. +81 847-40-0561 Fax. +81 847-45-8911

• Product specifications and appearance are subject to change without notice due to ongoing research and development.
 • The color of the actual product may be different from the catalogue's due to printing matters.
 • Catalog information is current as of 2025.01

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 Before importing or exporting these products, you are required to consult Kitagawa and your government regarding the applicable regulations.

2025.01