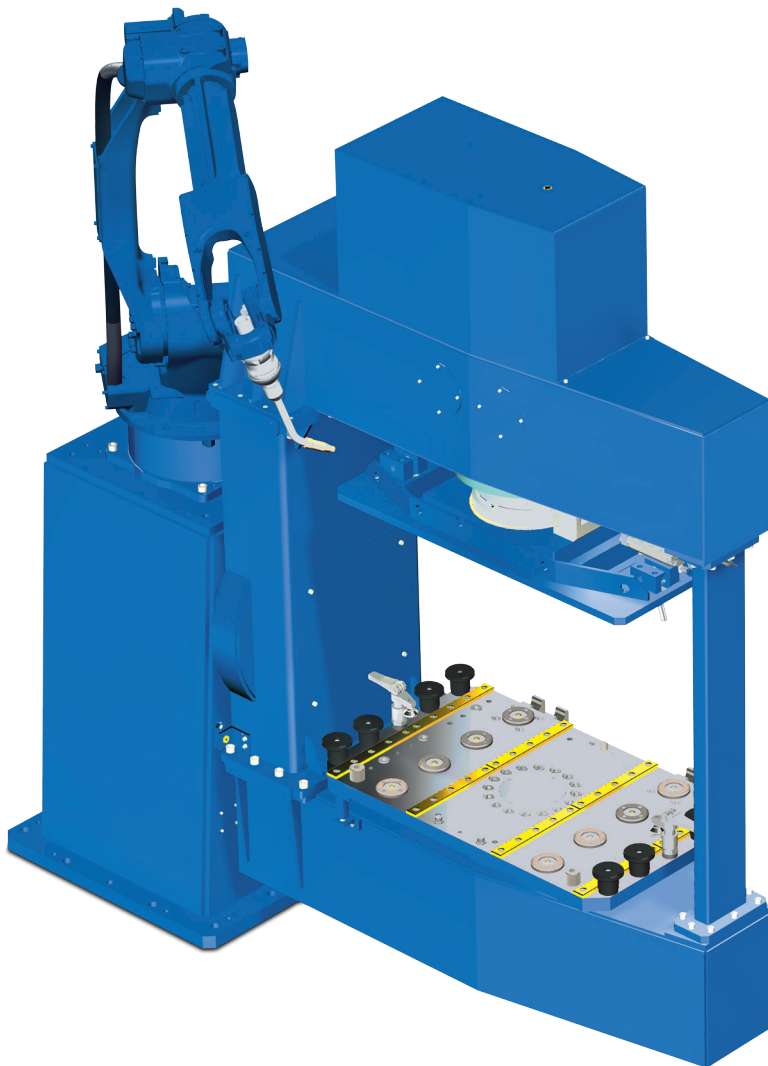


WSSE-7 & WGSF-20

Locking devices



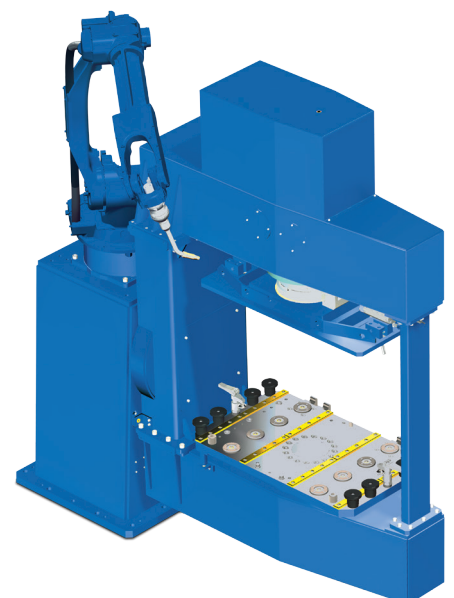
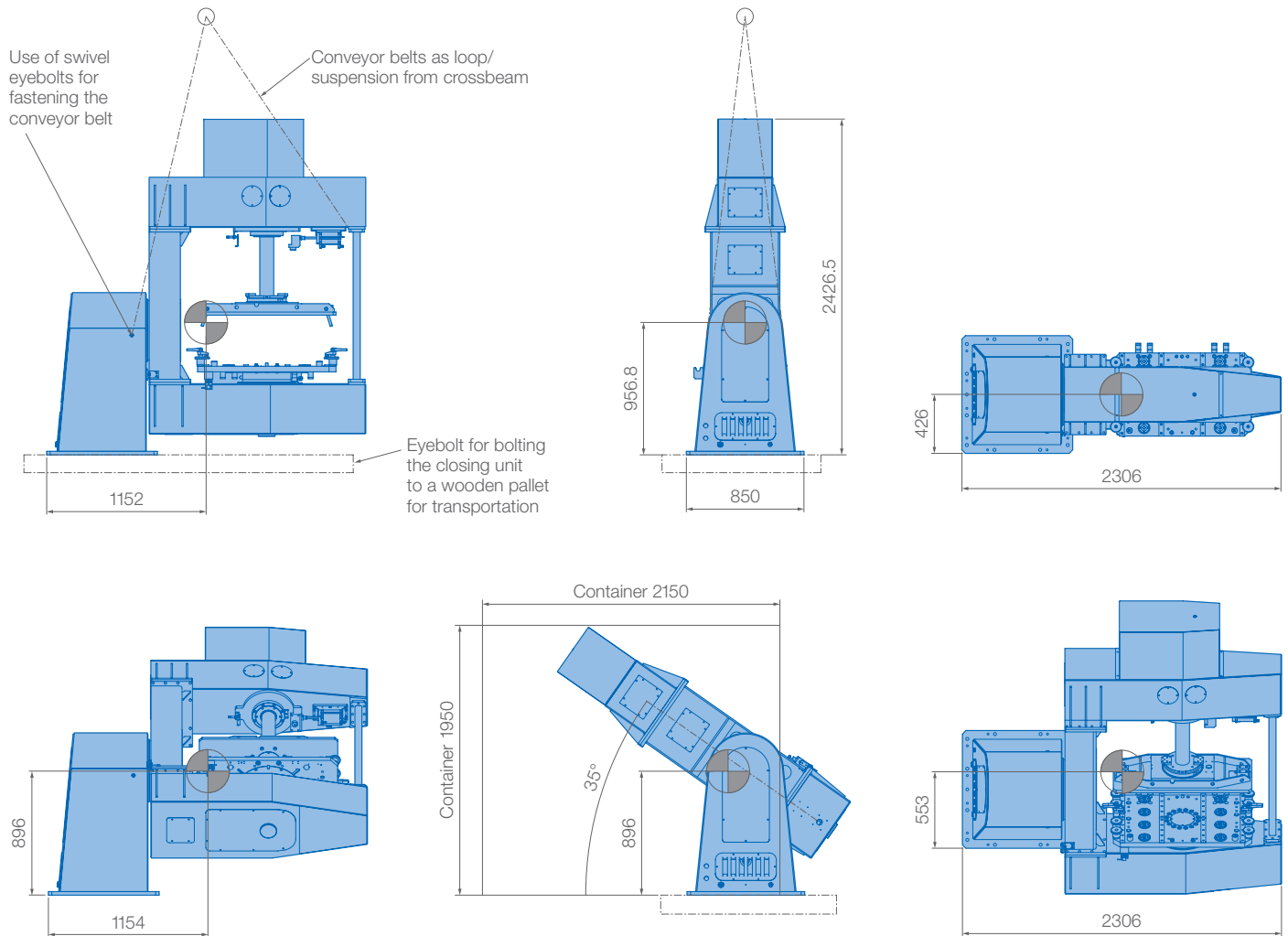
Welding hollow workpieces is often a challenge. The individual parts must be placed precisely on one another before they are processed and must be closed as tightly as possible to ensure high-quality welding.

It is a well-established fact that welding robots and systems from YASKAWA guarantee high quality. It therefore makes sense only to use hydraulic locking devices that have also been designed with experience and competence. After all, a system is only ever as good as the weakest link in the value creation chain.

KEY BENEFITS

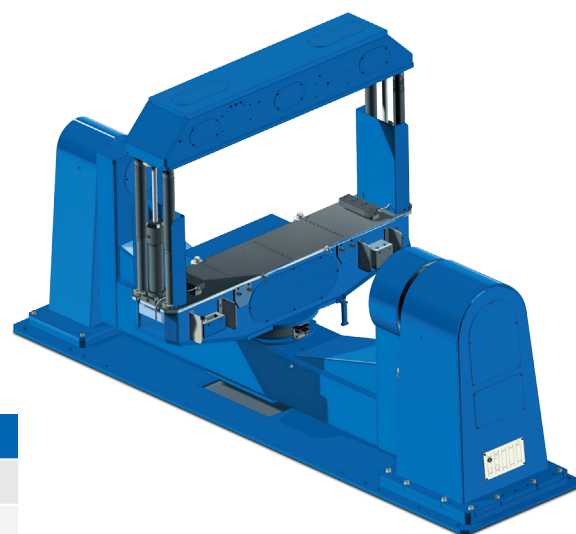
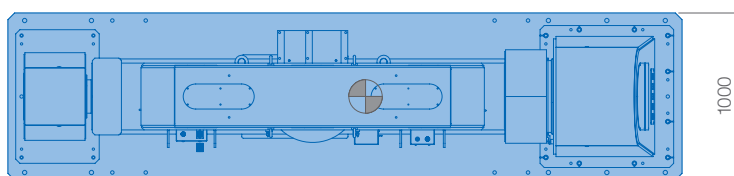
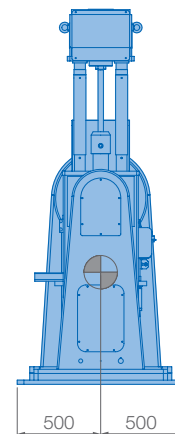
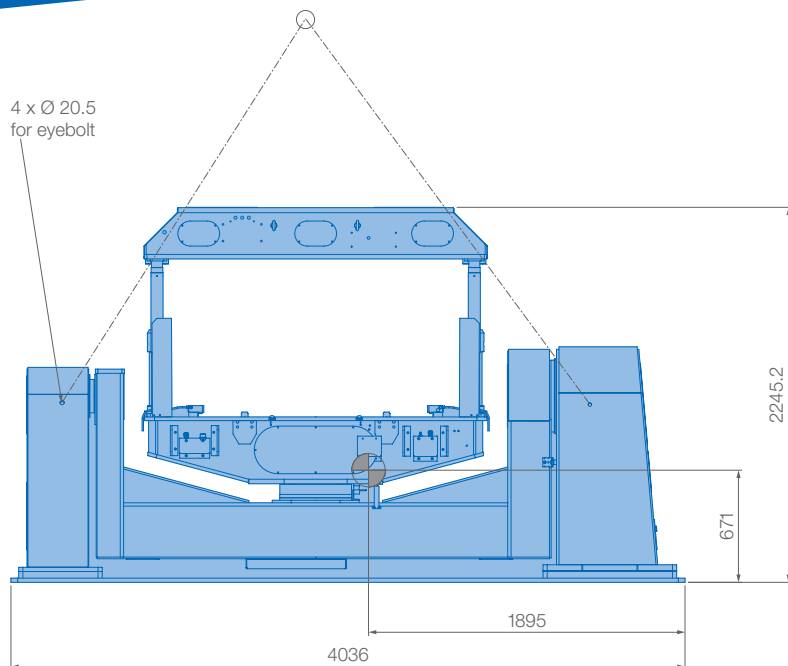
- High weld seam quality
- Optionally with electric or hydraulic drive
- Closing force and speed programmable directly in the robot controller
- Closing forces of up to 200 kN
- Various designs possible

WSSE-7



Specifications WGSB-20	
Number of stations	1
Max. closing force [kN]	70
Min. programmable closing force [kN]	15, opt. 20
Closing drive	electric
Max. hydraulic pressure [bar]	—
Max. closing speed [mm/s]	150, opt. 95
Max. jig weight [kg]	500
Max. jig length [mm]	Ø 1200
Height of jig – closed [mm]	355
Height of jig – open [mm]	755
Stroke length [mm]	400
Max. rotational speed [°/s]	135
Torque of rotational axis [Nm]	2040
Max. tilting speed [°/s]	80
Torque of tilting axis [Nm]	4420

WGSB-20



Specifications WGSB-20	
Number of stations	1
Max. closing force [kN]	200
Min. programmable closing force [kN]	80
Closing drive	hydraulic
Max. hydraulic pressure [bar]	250
Max. closing speed [mm/s]	150
Max. jig weight [kg]	1000
Max. jig length [mm]	Ø 1700
Height of jig – closed [mm]	596
Height of jig – open [mm]	946
Stroke length [mm]	350
Max. rotational speed [°/s]	95
Torque of rotational axis [Nm]	3340
Max. tilting speed [°/s]	95
Torque of tilting axis [Nm]	4420

YASKAWA Headquarters

YASKAWA Europe GmbH
Robotics Division
Yaskawastraße 1
85391 Allershausen, Germany
Tel. +49 (0) 8166/90-0
Fax +49 (0) 8166/90-103

YASKAWA ACADEMY and sales office Frankfurt

YASKAWA Europe GmbH
Robotics Division
Hauptstraße 185
65760 Eschborn, Germany
Tel. +49 (0) 6196/77725-0
Fax +49 (0) 6196/77725-39

YASKAWA GROUP

AT YASKAWA Austria
Schwechat/Wien
+43(0)1-707-9324-15

CZ YASKAWA Czech s.r.o.
Rudná u Prahy
+420-257-941-718

ES YASKAWA Ibérica, S.L.
Gavà/Barcelona
+34-93-6303478

FR YASKAWA France SARL
Saint-Aignan-de-Grand-Lieu
+33-2-40131919

FI YASKAWA Finland Oy
Turku +358-(0)-403000600

GB YASKAWA UK Ltd.
Banbury +44-1295-272755

IT YASKAWA Italia s.r.l.
Torino +39-011-9005833

IL YASKAWA Europe Technology Ltd.
Rosh Ha'ayin +972-3-9004114

NL YASKAWA Benelux B.V.
Son +31-40-2895500

PL YASKAWA Polska Sp. z o.o.
Wrocław +48-71-7928670

RU YASKAWA Nordic AB
Moskva +46-480-417-800

SE YASKAWA Nordic AB
Torsås +46-480-417-800

SI YASKAWA Slovenia
Ribnica +386-1-8372-410

TR YASKAWA Turkey Elektrik
Ticaret Ltd. Sti.
İstanbul +90-216-5273450

ZA YASKAWA Southern Africa (PTY) Ltd
Johannesburg +27-11-6083182

DISTRIBUTORS

BG ARAMET ROBOTICS Ltd.
Yambol +359-885 317 294

Kammarton Bulgaria Ltd.
Sofia +359-02-926-6060

CH Messer Eutectic Castolin
Switzerland S.A.
Dällikon +41-44-847-17-17

DK Robotcenter Danmark
Løsning +45 7022 2477

EE RKR Seadmed OÜ
Tallinn/Estonia +372-68-35-235

GR Gizelis Robotics
Nea Kifissia +30-2106251455

HU Flexman Robotics Kft
Budapest +36-30-9510065

LT Profibus UAB
Panevezys +370-45-518575

NO Skala Robotech AS
Lierstranda +47-32240600

PT ROBOPLAN Lda
Aveiro +351-234 943 900

RO Sam Robotics srl
Timisoara +40-720-279-866

MPL Automation S.R.L.
Satu Mare +40 (0) 261 750 741

