

EasyWeld Turn Table

Load the next fixture while the robot welds.

A robust, enclosed 180-degree turntable cell engineered for continuous robotic welding, rapid changeover and repeatable production.



99% OF MODERN COBOTS

MANY INDUSTRIAL ROBOTS

DUAL-SIDED WORKFLOW

ETT-1001

COMMERCIAL ORDER CODE

1000 x 1500 mm

WELD PLATE

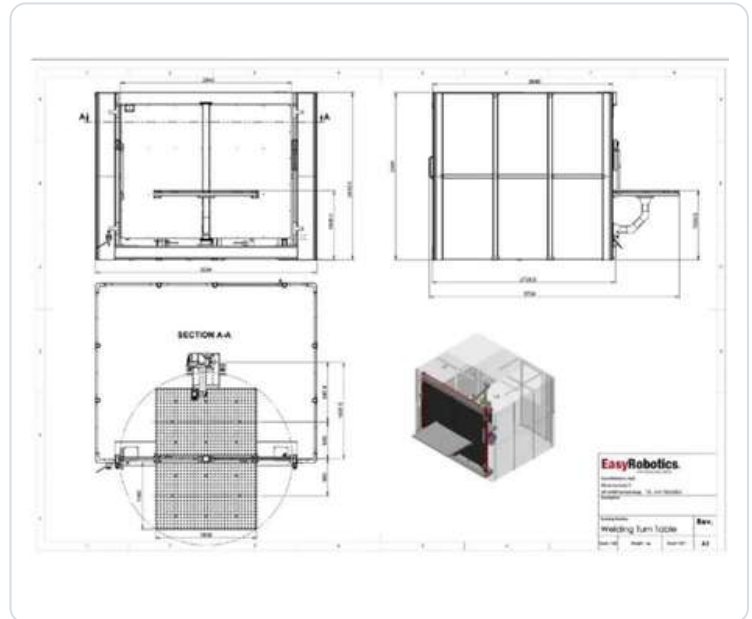
180 degrees

DOOR / TABLE ROTATION

Industrial mass. Controlled geometry.

Built as a stable production asset - not a lightweight demonstration cell.

The rigid steel enclosure, heavy turntable assembly and floor-anchored base provide a stable reference for robot, fixture and workpiece. Leveling points support accurate installation; the enclosed architecture protects controls and creates space for welding equipment.



1900 kg

Published commercial system mass

2600 x 2700 x 2500 mm

Published cell envelope

Floor anchored

Level and secure before operation

700 x 500 x 650 mm

Controller compartment

0 / 45 degrees

Robot mounting positions

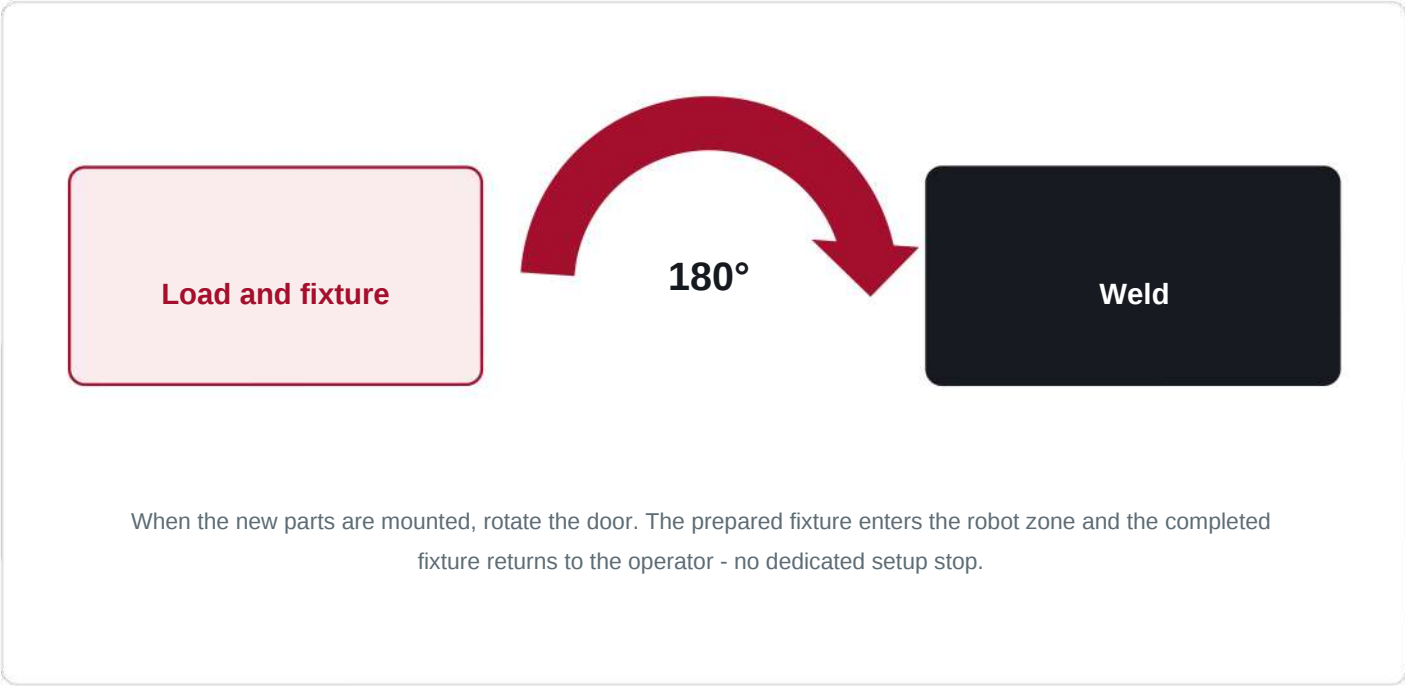
Max. 8 bar dry air

Pneumatic supply

Configured mass and external dimensions must be confirmed in the approved project drawing and order confirmation.

Remove setup time from the robot cycle

Prepare one side while the other side is welding.



Load and fixture

Clamp the next workpieces on the operator side.

2 Weld

The robot completes the programmed cycle behind the partition.

3 Unlock and rotate

Use the handle to turn the door and table through 180 degrees.

4 Locate and verify

The lock and position sensor confirm the production side before restart.

HIGHER ROBOT UTILIZATION

REPEATABLE PART PRESENTATION

SIMPLE TWO-SIDED FLOW

A large cabin with direct loading access

Space for the robot, fixtures, torch package and service work.



OPERATOR SIDE

Open-corner access

With the operator-side doors open and the table face rotated outward, fixtures and parts can be handled without reaching through a narrow opening.

Two work faces

A prepared fixture can wait outside the welding zone while the second face is in production.

Flexible pendant position

The teach pendant bracket can be placed in the controller area or at the tabletop.

Equipment integration

The enclosure and controller architecture leave room for cables, utilities and project-specific welding hardware.

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Wide access makes fixture changes, part loading, cleaning and service straightforward - while the large enclosure keeps the process organised.

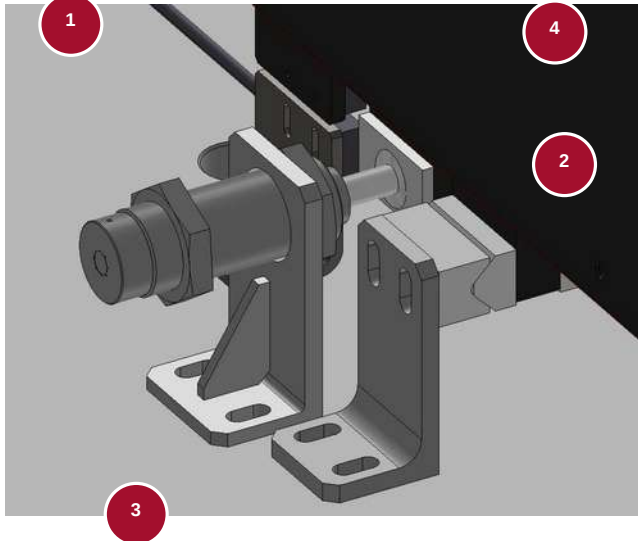
External controller placement (option)

The controller cabinet can be placed outside the enclosure when the project layout requires additional internal space or direct service access.



Monitored rotation for safe, repeatable operation

Mechanical location and sensor confirmation work together.



1 Shock absorber

Damps the final movement at the end position.

2 V-block locator

Provides a defined mechanical stop.

3 Manual stop pin

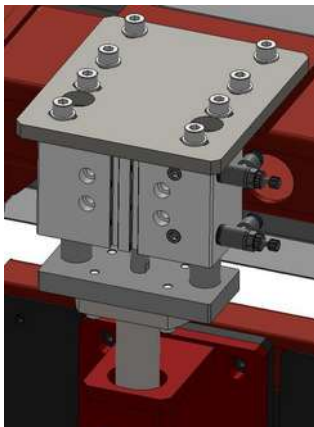
Secures the door against unintended movement.

4 Safety switch

Monitors that the door is in the correct position.

5 Optional pneumatic lock

Automates the locating and locking step.



Robot and welding release must be inhibited whenever an access door is open, removed or not positively located. Door sensors, emergency stop, reset logic and safety control must be integrated and validated for the completed cell.

Broad robot and welding-process compatibility

A common cell platform for cobots and selected industrial robots.

99%

OF MODERN COBOTS

COBOT + INDUSTRIAL ROBOT
PLATFORM

Many industrial robots

Possible after validation of robot mass, payload, base moments, reach, dynamics, mounting interface and guarding.

Robot mount

0 or 45 degree console positions support reach optimisation.

Welding processes

MIG, TIG, plasma and spot welding can be integrated with the appropriate process package.

Custom engineering

If the standard interface does not fit, a custom adapter plate or robot console can be engineered.

MIG

TIG

PLASMA

SPOT

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REMEMBER THE ADAPTER PLATE

Select and order the robot-specific adapter plate separately in the EasyRobotics online configurator, unless it is explicitly included in the quotation.



ADAPTER PLATE CONFIGURATOR /
PARTNER PORTAL

If a standard plate does not fit, EasyRobotics can engineer a project-specific adapter or robot console.

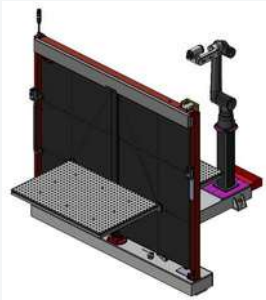


Options that complete the welding cell

Standard architecture, published options and project-engineered additions.

STANDARD ARCHITECTURE

- Enclosed steel cell
- 180-degree rotating two-sided table
- Door-position sensing
- Manual locating pin
- Controller compartment
- Teach pendant bracket
- Selector switch and status light
- Floor anchoring points



PUBLISHED OPTIONS

- External controller placement
- 2-164014.X7 perforated welding plate
- Pneumatic door locking
- Wheels*
- Floor Dock*
- Safety Scanner Cover*



ENGINEERED OPTIONS

- Fume extraction
- Welding source, torch and dress pack
- Custom fixtures and part nests
- 2- or 4-zone tooling layout
- Safety relay / safety PLC package
- Industrial-robot integration
- Custom adapter plate



**Published in product material; feasibility and scope must be confirmed for the final cell.*

1

ALIGN & ANCHOR



2

MOUNT ROBOT & ADAPTER



3

CONNECT AIR & CONTROLS



4

VALIDATE THE COMPLETE CELL

Ordering overview

Published commercial references plus required and project-specific items.

REFERENCE	PRODUCT / OPTION	ORDERING NOTE
ETT-1001	EasyWeld Turn Table	H: 2500 mm, W: 2700 mm, L: 2600 mm, Wt: 1900 kg, Incl Siegmund Welding plate W: 1000 x L:1500 mm
2-164014.X7	Perforated welding plate	System 16 plate; 1500 x 1000 x 12 mm (L x W x H); plasma-nitrided tool steel.
Configurator item	Robot-specific adapter plate	Select for the exact robot brand and model. Order separately unless explicitly included.
Quotation / engineering	Controller outside enclosure	Project-specific cabinet position, cable routing and access.
Quotation / engineering	Pneumatic lock and safety package	Final sensors, safety logic, reset concept and validation scope are project-specific.
Quotation / engineering	Fixtures, extraction and industrial robot integration	Specified to the welding process, workpiece, robot and local requirements.

Engineering manual reference 0109-00001 appears in one source revision. It is not shown as a separate standard commercial variant; confirm the active order reference in the quotation.



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ADAPTER PLATE CONFIGURATOR /
PARTNER PORTAL