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LIGHTER • SIMPLER • CHEAPER

**Introducing —
EDiRo INDUSTRIAL ROBOT-MANIPULATOR**

- polymeric materials
- adaptive system control

WELDING / CUTTING / MACHINE TENDING



BUILDING EDiRo ROBOTS FOR TWICE LESS MONEY THAN ITS ANALOGS' ABROAD



WE DON'T OVERPAY FOR SOFTWARE

High prices of European robots are explained by expensive intellectual labor. We build our own system control.



WE DON'T OVERPAY FOR REMOTE CONTROL

Prices for European analogs start from 2500 Euro — this amount is included in the whole price. Our remote control goes for 150 Euro with purchase.



WE BUILD ROBOT'S FRAME FROM POLYMERIC MATERIALS

By all characteristics it's very close to metal but it's lighter and cheaper. Our industrial welding robot is the first of this kind in the world.

MAKING EDiRo ROBOTS' MAINTENANCE EASY ACCESSIBLE FOR ANY CONSTRUCTION WORKER



OUR ROBOT IS SELF-PROGRAMMED

Adaptive system control: point welding dots and limits — robot defines working area and forms trajectories.



IT'S EASY TO ASSEMBLE ROBOT AND FIX OR REPLACE ITS DETAILS

Module construction, simplicity and automatic calibration — all of it allows to assemble robot easily or replace its joint without the integrator's help.



YOU CAN CONTROL ROBOT USING YOUR TABLET

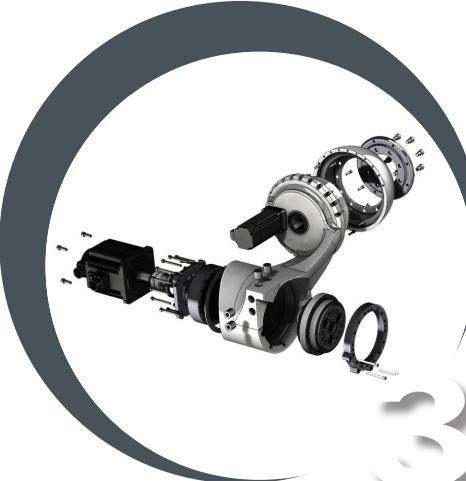
Instead of expensive and complicated remote control we offer a simple yet effective app that is compatible with every tablet.

TECHNOLOGY

EDiRo Robot's structure/mechanism



The main principle of operation of this construction is a **use of polymeric material on joints' bodies** with pressed cage nuts where conjoined joints get the most pressure.



This assembly allows to lower down the mass of robot's joints due to the **much lighter polymeric materials used**.



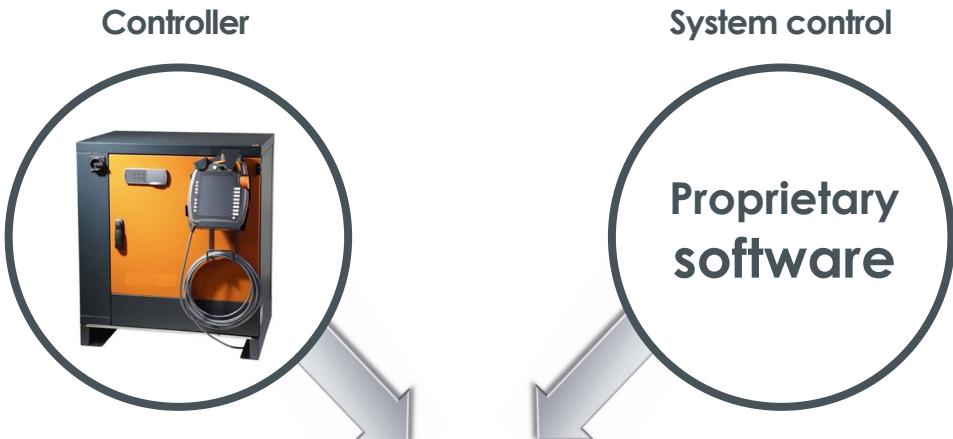
Main knots for the installation of steel embedded elements:

- conjunction knots of the joints;
- reductions' installation;
- intensive elements for additional hardness;
- carving embedded elements for screw-bolt installation, etc.



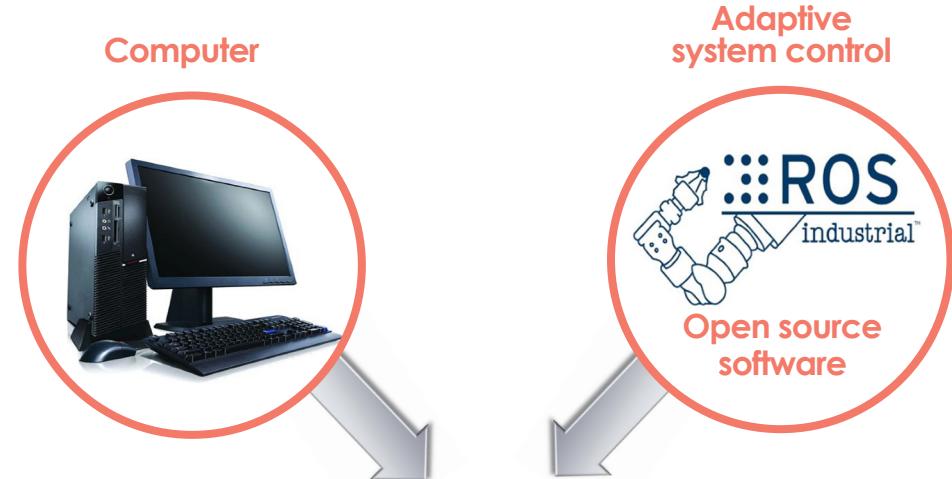
Cycloid gears are chosen as the main gear, which meet the most relevant parameters of accuracy, torque value and mass-dimensional characteristics.

INDUSTRIAL ROBOT TODAY



**25,000 -
35,000€**

OUR EDiRo ROBOT



**12,000 -
15,000€**

BUSINESS STRATEGY:

in Russia and CIS

2019 500
Robots

entering growing markets

2021 2000
Robots

entering growing markets

2020 1000
Robots

entering global market

2023 2-3%
of robotics market

Ready solutions for challenging goals

SIMPLE

SIMPLE
— launch

SIMPLE
— maintenance

SIMPLE
— readjustment

AFFORDABLE

30%
CHEAPER
than
individual
project

FAST

1 request
2 delivery
3 launch

VERSATILE WELDER T

Load capacity:
up to 200 kg

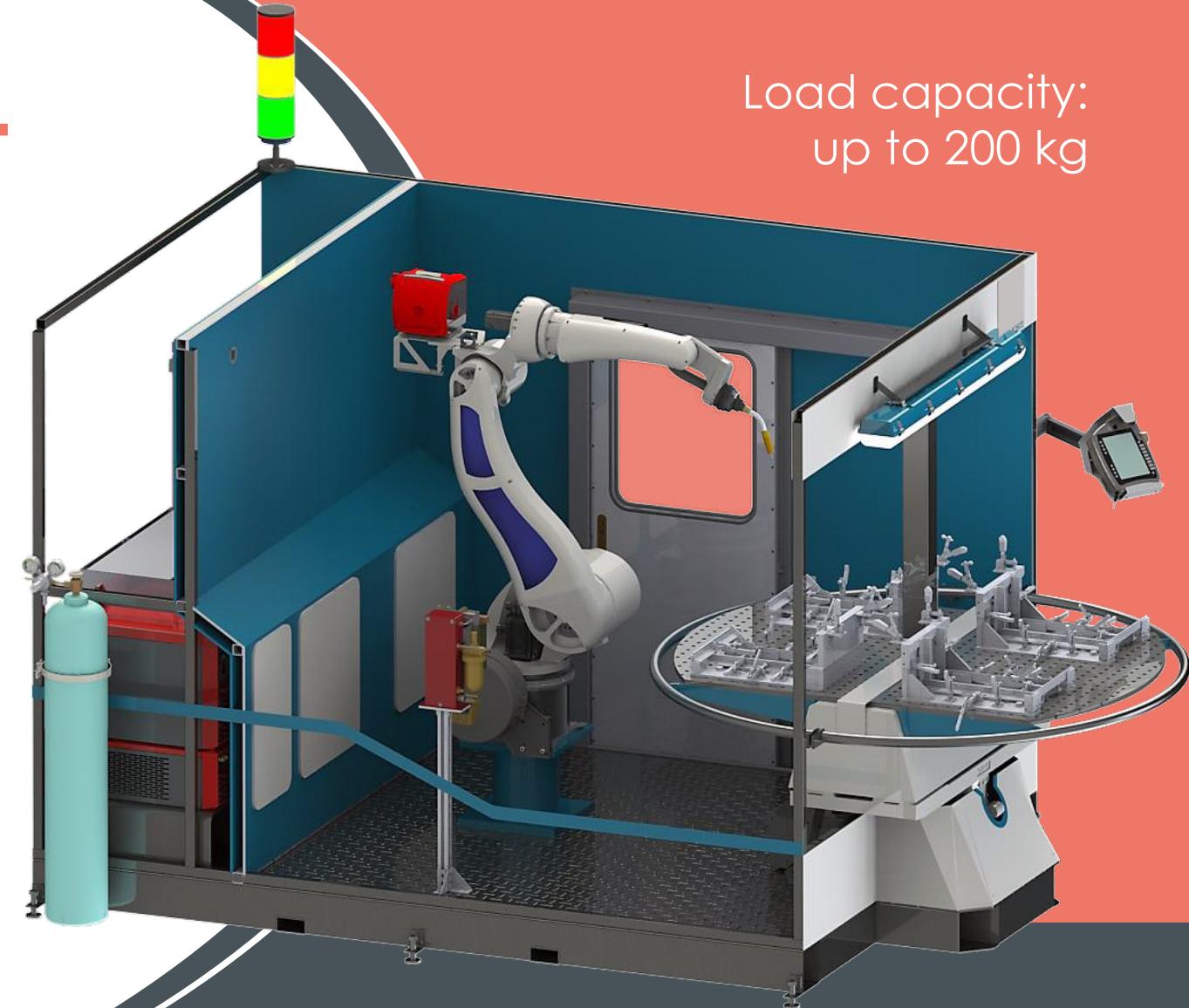


Task's example:
— *Brackets welding*



Special feature:
— *Turning table*

From \$74,800



Cell size: 4000 x 2450 x 2200 mm
Max. billets size: 500 x 500 x 500 mm

VERSATILE WELDER P

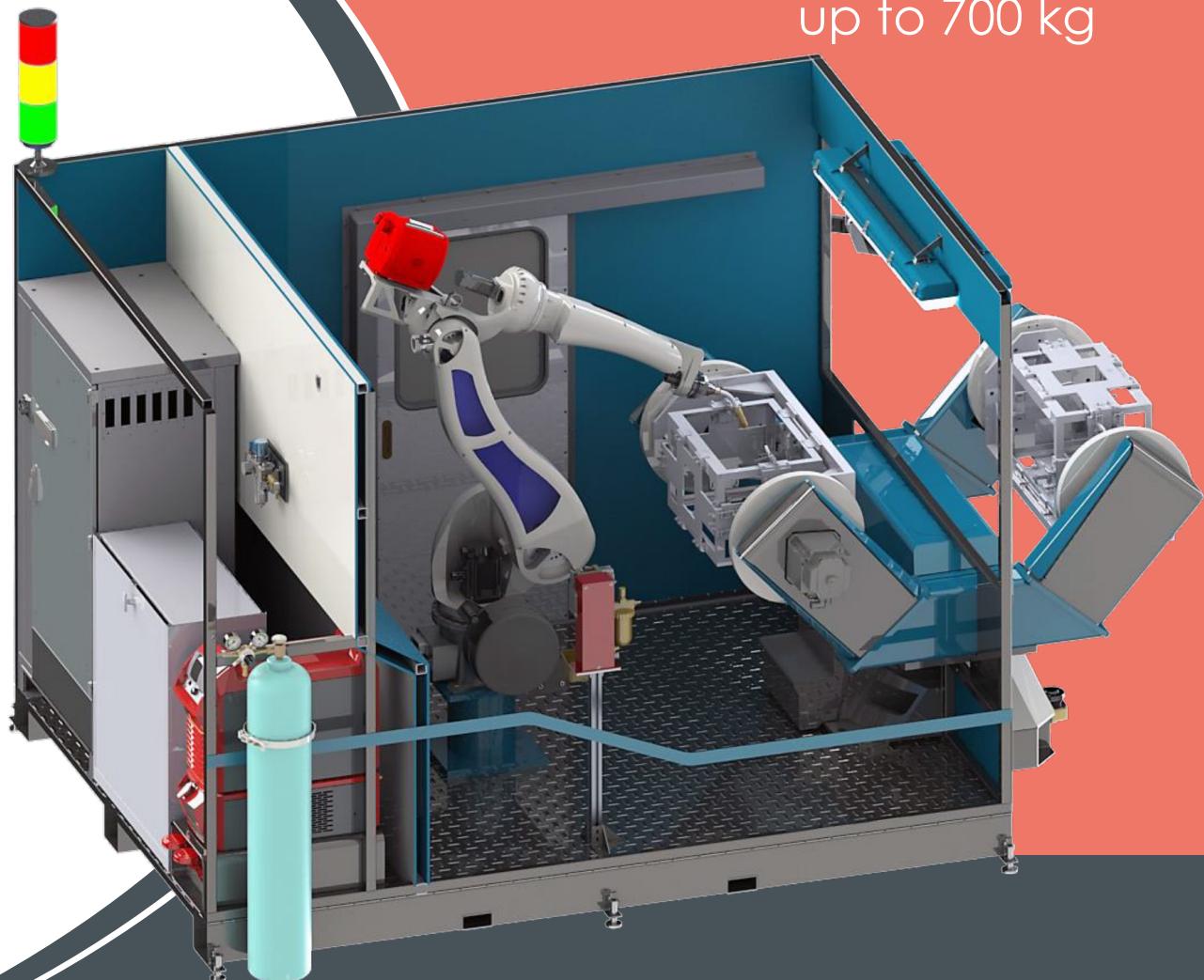


Task's example:
— *Frame welding*



Special feature:
— *Single shafted positioner*

From \$93,200



Load capacity:
up to 700 kg

Cell size: 3900 x 2450 x 2200 mm
Max. billets size: 500 x 700 x 1500 mm

VERSATILE WELDER L

Load capacity:
up to 500 kg

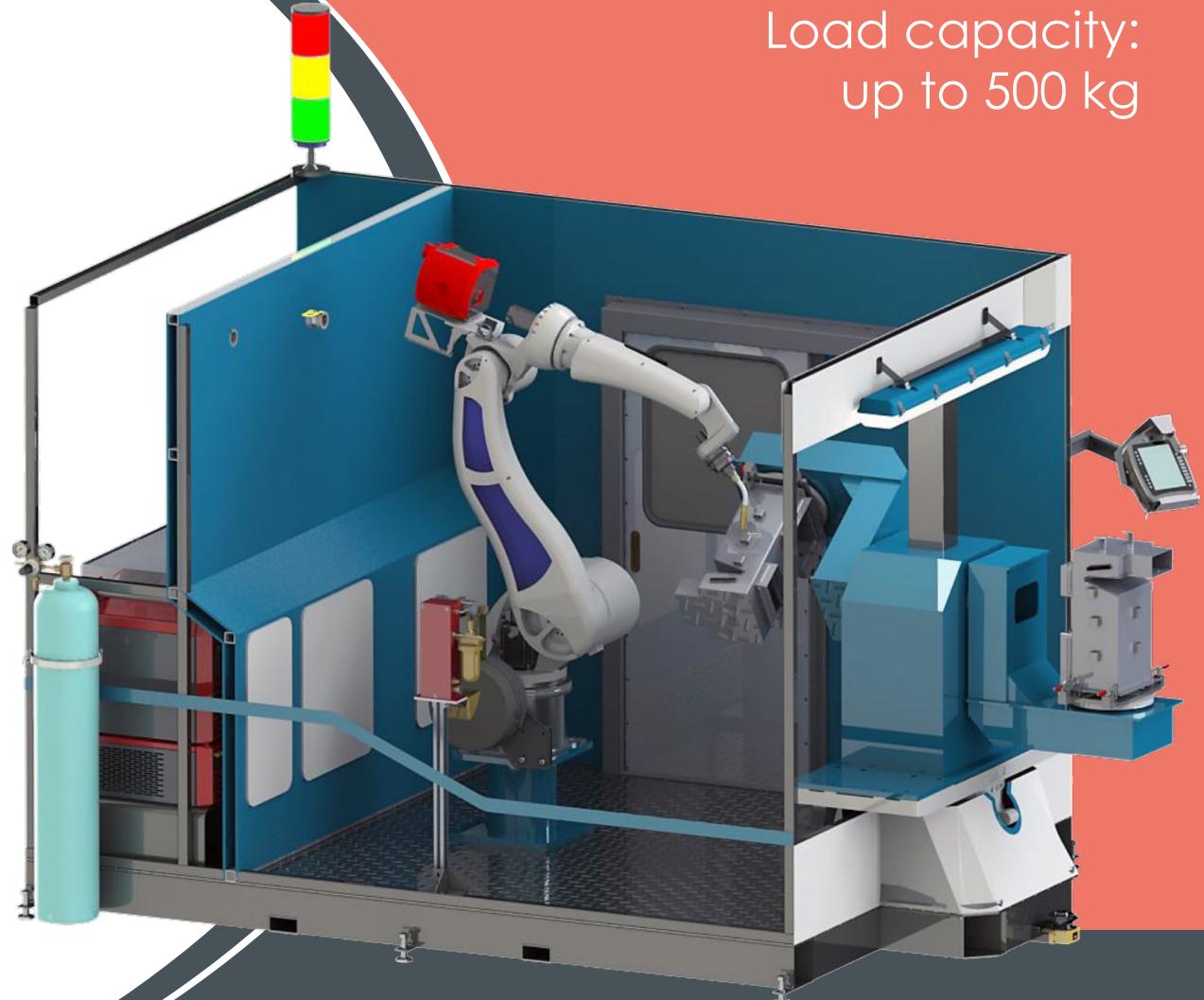


Task's example:
— *Industrial furnaces welding*



Special feature:
— *L-shaped positioner*

From \$129,000



Cell size: 3950 x 2450 x 2200 mm
Max. billets size: 500 x 700 x 700 mm

VERSATILE WELDER UNIVERSAL

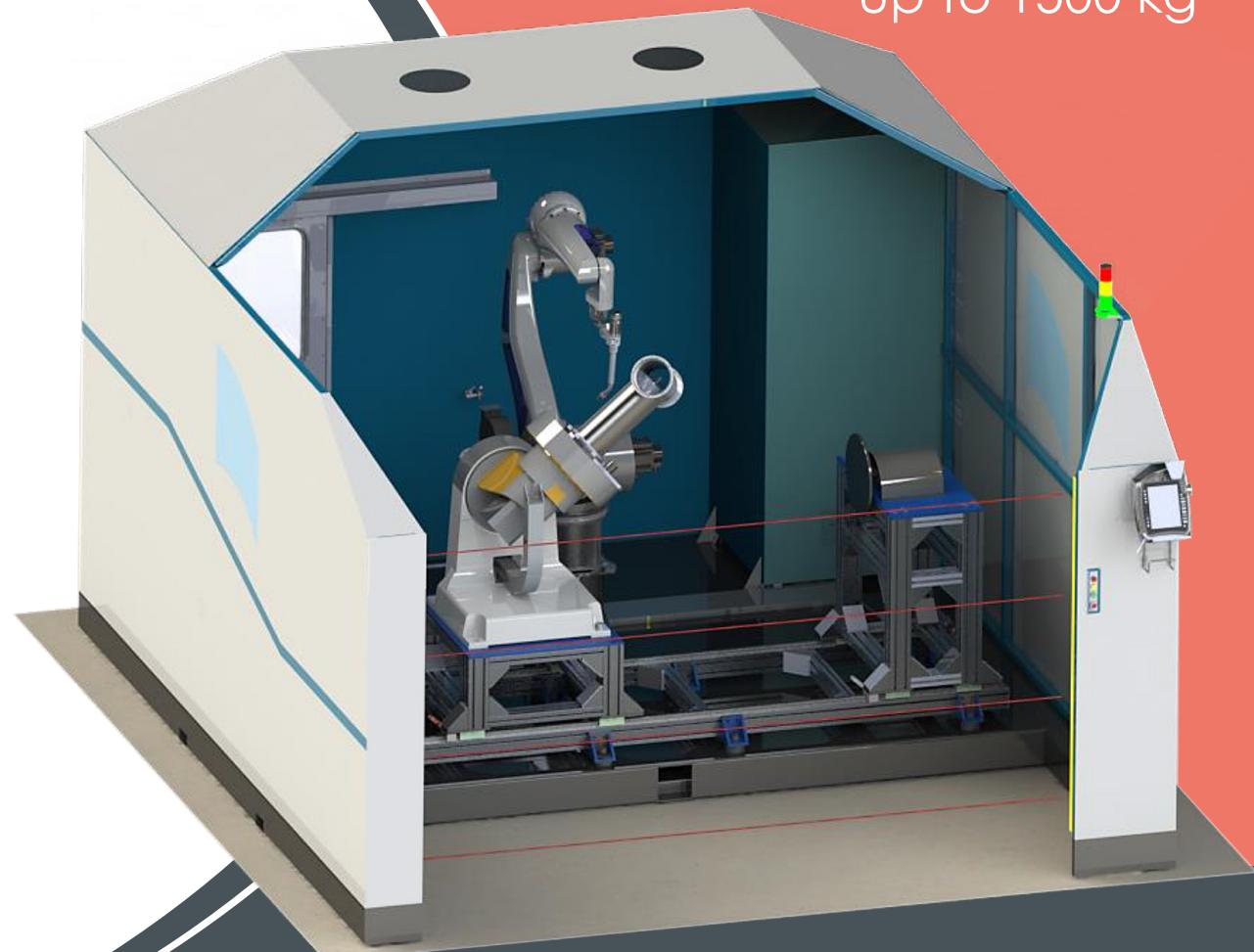


Task's example:
— *Protective housing welding*



Special feature:
— *Two spinning shafts*

\$ — Upon request



Load capacity:
up to 1500 kg

Cell size: 4000 x 3800 x 2600 mm
Max. billets size: 700 x 700 x 1700 mm

VERSATILE WELDER UNIVERSAL

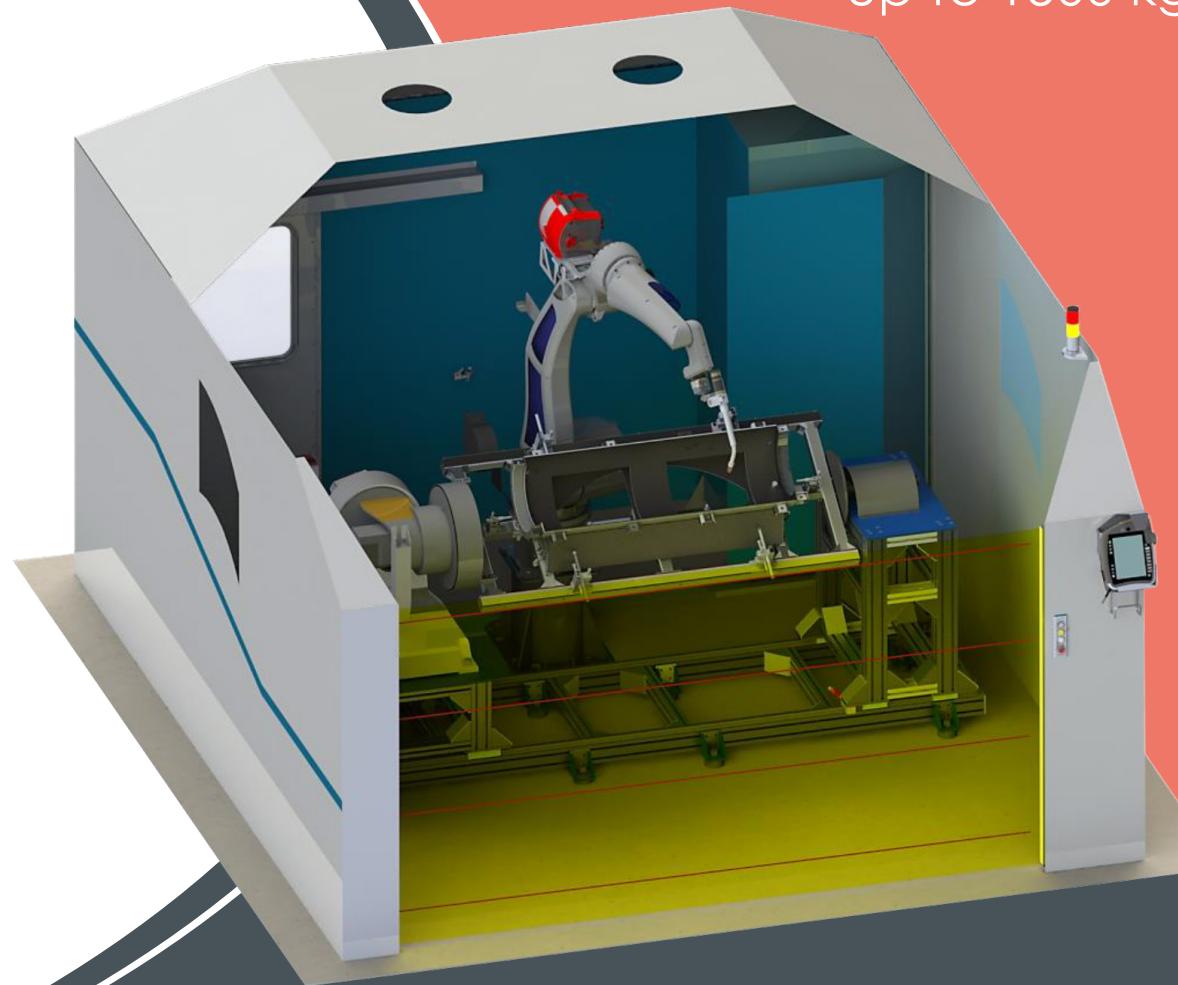


Task's example:
— *Half-coupling welding*



Special feature:
— *Single spinning shaft*

\$ — Upon request



Load capacity:
up to 1500 kg

Cell size: 4000 x 3800 x 2600 mm
Max. billets size: 700 x 700 x 1700 mm

VERSATILE MACHINE T

Load capacity:
up to 8 kg



Task's example:

- *Loading and unloading of cylindrical billets*



Special feature:

- *Turning table*

From \$46,850



Cell size: 2300 x 1850 x 1200 mm

Load capacity:
up to 8 kg

VERSATILE MACHINE R



Task's example:

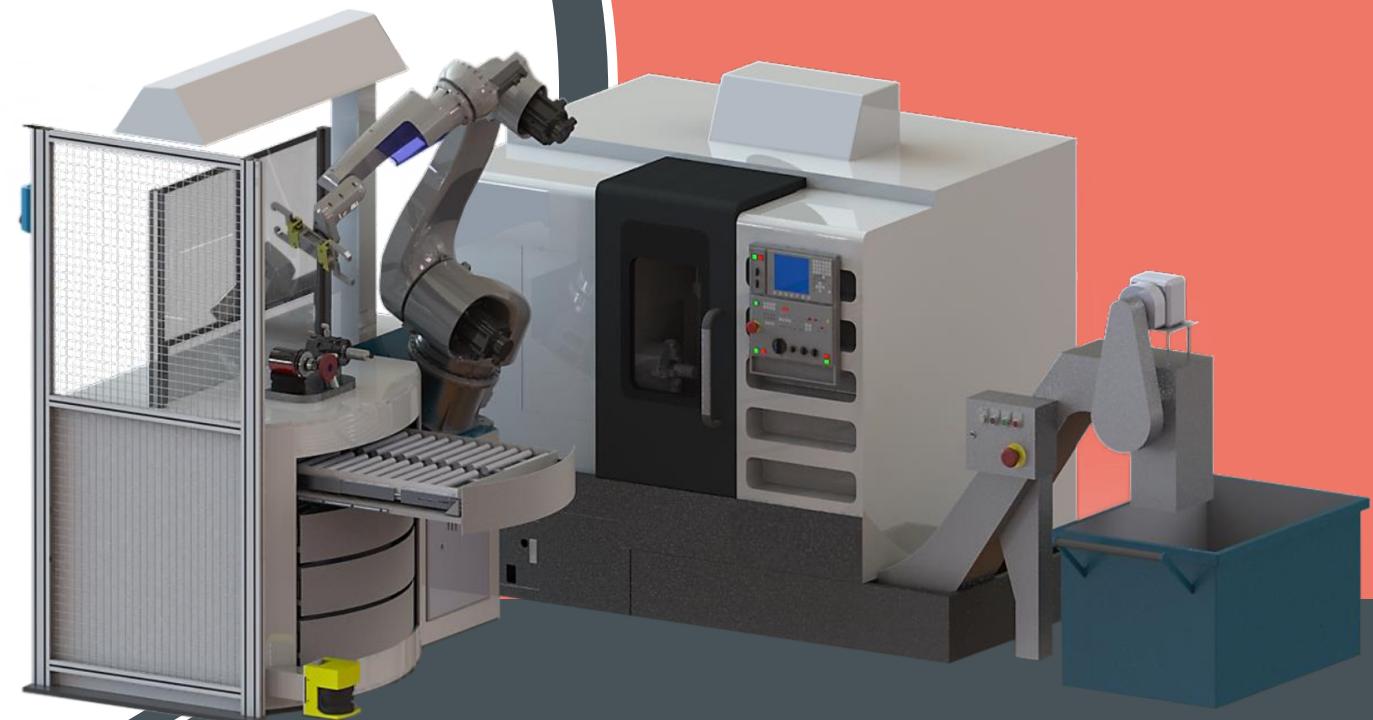
— *Loading and unloading of metal billets*



Special feature:

— *Racking system*

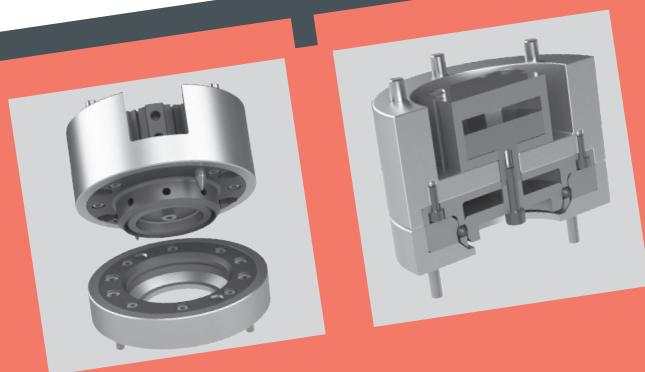
From \$56,160



Cell size: 2300 x 1850 x 1200 mm

THERE ARE OUR OWN PRODUCTION IN EVERY CELL:

- Robot
- Positioners
- Changing system





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