anka
ENGINEERING & AUTOMATION

COBOMATE · COBOT WELDING AND AUTOMATION

Cobot welding systems, built around your parts.

MIG, TIG and laser welding, grinding and cobot automation, designed and built in Melbourne and installed on your site across Australia and New Zealand.

- Free proof of concept
- Point and click programming
- Turn-key with jigs

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ABOUT ANKA

Welding engineers who speak robot

Anka Engineering & Automation helps Australian manufacturers weld more, better and more safely with collaborative robots. We're mechanical and welding engineers first, so every system starts with your parts, your joints and your floor, not a box off the shelf.

We design and build in our Melbourne workshop and install on our customers' sites. CoboMate systems are running in Victoria, New South Wales, Queensland, South Australia and New Zealand.

WHY COBOTS?

Industrial robots are excellent for long runs, but they need dedicated cells and specialist programmers. Most Australian fabricators make a wide mix of parts in small batches. A cobot can be taught a new part in minutes, works beside your team, and moves to the next job when the run is done.

- Built for high-mix, low-volume work
- No robot experience needed
- Consistent welds, all shift
- Frees skilled welders for complex work

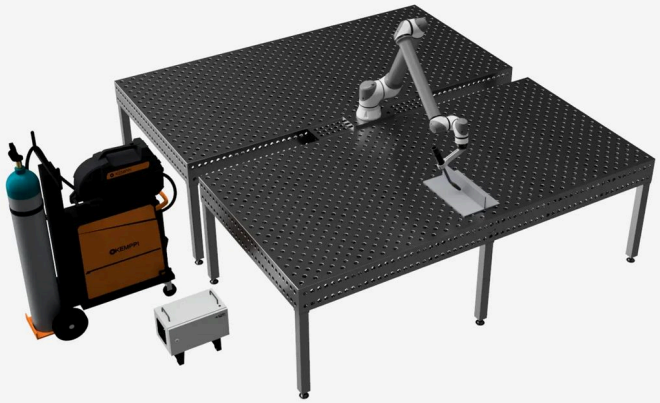
4–6 wks
typical install, hardware and training

Free
proof of concept on your own part

20+
systems running across Australia and NZ

20+
RBW partners worldwide, including Anka





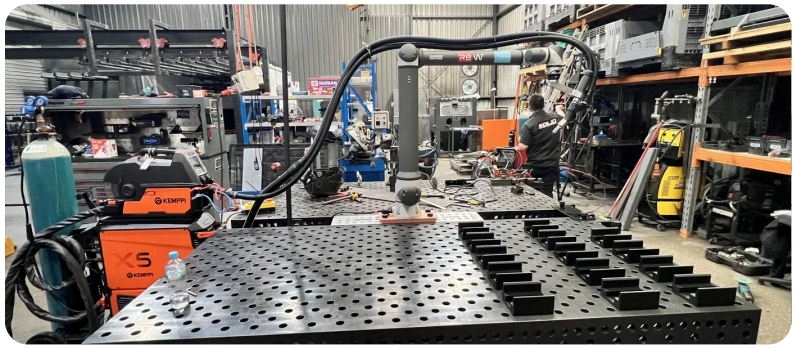
WELDING MACHINE AGNOSTIC

RBW connects digitally to the welder you prefer, so robot and weld programs work as one system.

Kemppi · Fronius · Hyundai Welding · Megmeet · ESAB · EWM

TIG cells too

Most CoboMate Welders are MIG/MAG cells, but we build TIG cells as well, with an EDR cobot TIG torch, for stainless, aluminium and thin sheet.



COBOMATE WELDER · MIG/MAG AND TIG

Cobot welding cells built around your welder and your parts

We pick the cobot, table, positioner and torch for your job. Want it turn-key? We design and build the welding jigs and program your parts too, so the cell produces from day one.

Point and click programming

Teach a new part in minutes with the RB-Ring and RBW tablet.

Rainbow cobots

RB3-1200, RB6-1700, RB10-1300 or RB20-1900, chosen for reach and payload.

Tables and positioners

3D fixture tables, single or dual station, linear tracks and rotators.

EDR robotic torches

Air or water cooled, interchangeable necks, torch cleaning station.

Fume extraction

On-torch extraction to help you meet the 1 mg/m³ welding fume limit.

Turn-key option

Custom jigs designed and built in our workshop, programs proven on your parts.

4–6 wks
typical install

1 day
to train operators*

$85,000
starting price, + GST

*GripSport trained two operators in one day. Turn-key timelines depend on the part and jigs.

CoboMate cell

- Cobot, welder, torch and table
- Installed on your floor
- Operators trained to program their own parts

Turn-key solution

- Everything in the cell, plus
- Welding jigs designed and built for your part
- Programs written and proven before handover

COBOMATE LASER · COBOT LASER WELDING

Laser speed and precision, with laser safety designed in

A concentrated fibre laser beam welds fast with low heat input. Put it on a cobot and every weld follows the same path at the same speed. Many TIG jobs are moving to laser for exactly this reason.

Faster welding
Shorter cycle times and higher throughput.

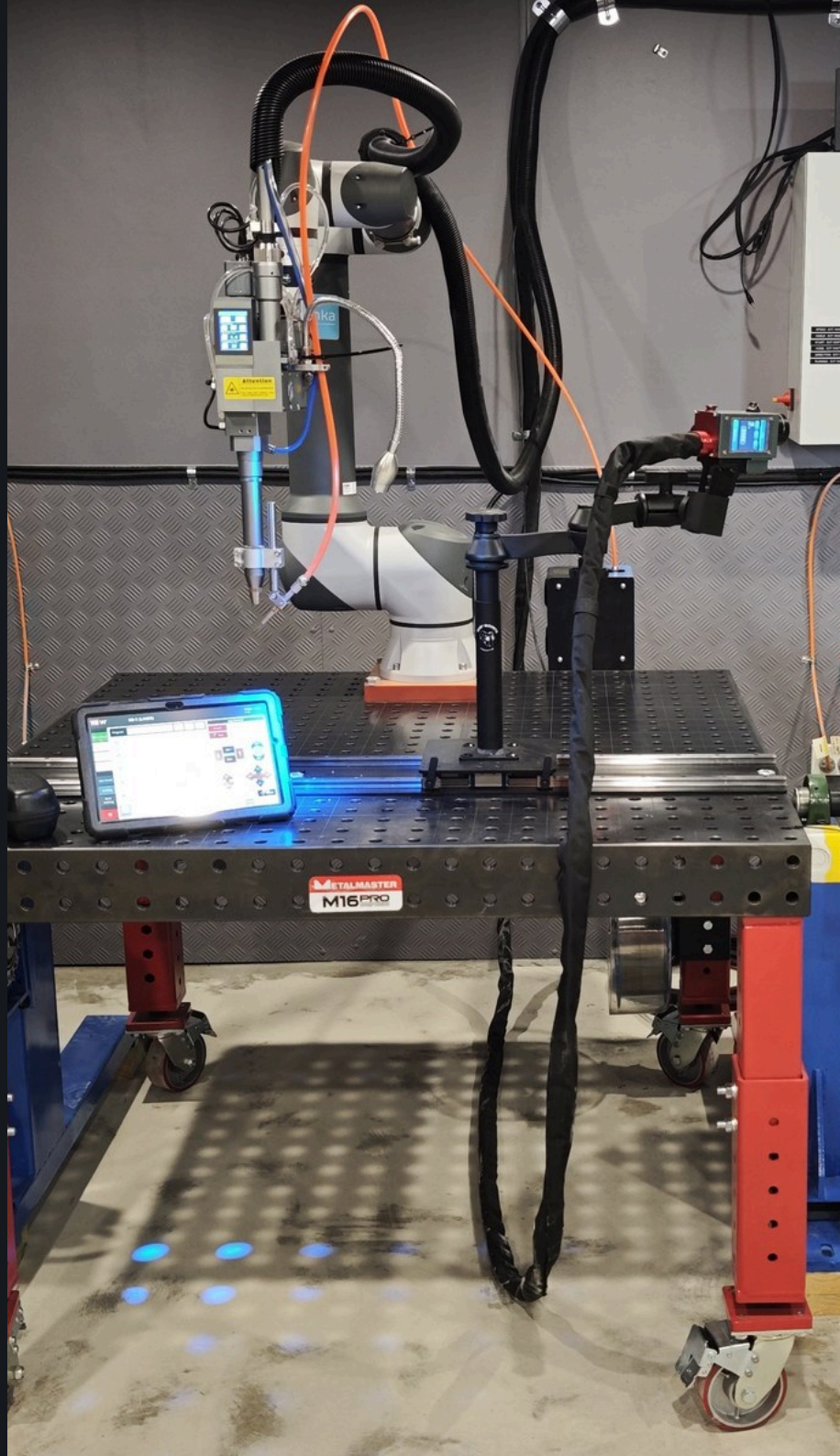
Less distortion
Low heat input means flatter parts and less finishing.

Steel, stainless, aluminium
One fibre laser source for the common workshop metals.

Easy to learn
Point and click programming. No robot experience needed.

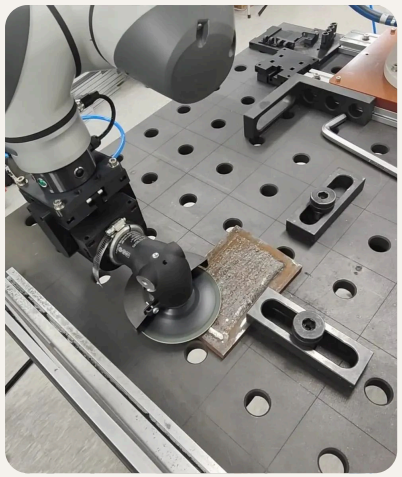
Laser source	Fibre laser, 2000 W or 3000 W
Layouts	Single or dual station, rotary positioners for round parts
Safety	Enclosure, interlocks, windows and eyewear, assessed against AS/NZS IEC 60825.1

A Class 4 laser needs more than a cobot's safety features
Cobots stop on contact, but laser light doesn't. We design the enclosure, interlocks and control logic with the cell, and supply certified laser safety glasses, helmets, windows and curtains.



COBOMATE GRINDER · WITH PFERD

The same finish on every part, all shift

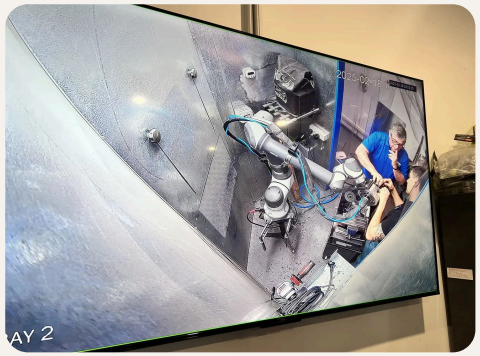


The CoboMate Grinder takes the repetitive grinding and finishing after the weld, with constant contact force. Built around PFERD robotic spindles and abrasives you can buy locally.

- Weld seam grinding and blending
- Deburring and edge prep
- Mill scale and spatter removal
- Polishing stainless and aluminium

Spindle	PFERD robotic spindle, 12,000 rpm, 1000 W
Compliance	Pneumatic, for constant contact force
Programming	Taught by hand with the RB-Ring, set on the RBW tablet





Our CoboMate Grinder demo day with PFERD Australia.

BEYOND WELDING

Cobot automation for the rest of your workshop

If someone does the same task by hand all day, a cobot can probably help. We build cells for:

Machine tending
Loading CNC machines, presses and press brakes.

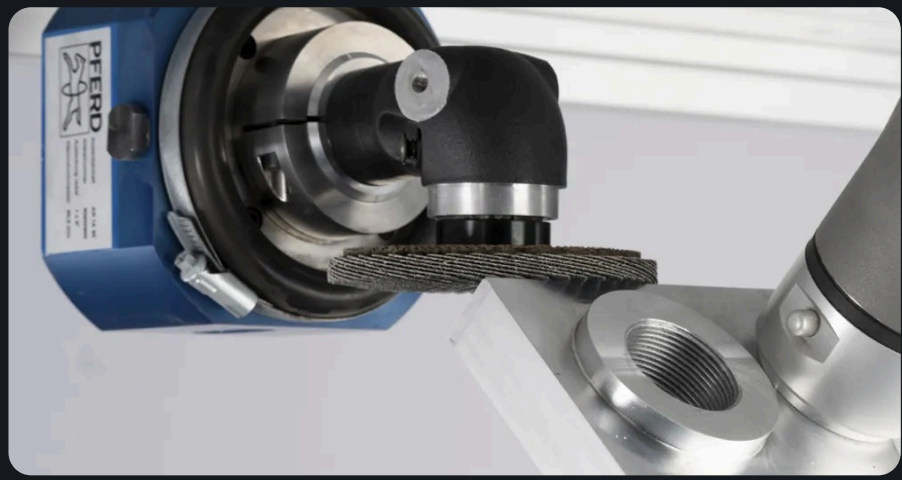
Laser cleaning
Rust, paint and weld discolouration removal.

Painting and dispensing
Coating, sealant and adhesive at steady thickness.

Plasma cutting
Holes, slots and bevels on fabricated parts.

Pick and place
Packing, palletising and moving parts between machines.

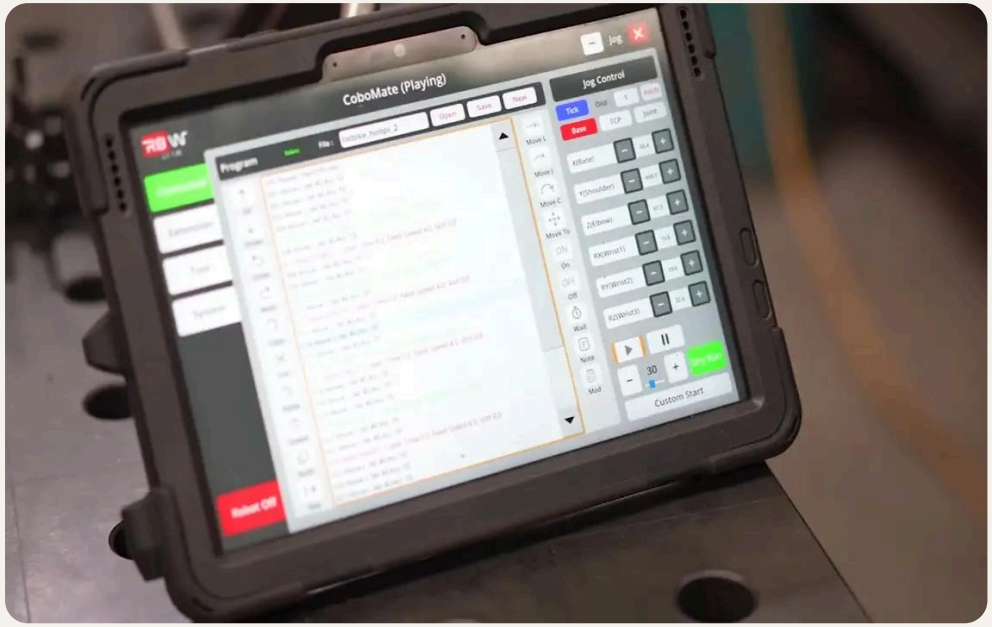
Something else?
Send us a phone video of the task.



RBW SOFTWARE

Point and click programming

Move the arm to the weld, press a button on the RB-Ring, and the point is saved. RBW turns the cobot's native programming into a welding job your operators can run, edit and repeat, with no code.



Four-button RB-Ring

Record points, arc start and arc end from the torch.

Weaving

Built-in weave patterns for wider, stronger welds.

Touch sensing

Finds the real part position before welding.

Your welder's programs

Synergic, pulse and double pulse, where available.

RAINBOW ROBOTICS

A robotics company, not just a cobot arm



Rainbow Robotics is a South Korean robotics company with Samsung as its largest shareholder. It builds humanoids, quadrupeds and mobile robots as well as cobots, so the arms in our cells come from a maker with serious engineering behind them.

- RB series from 3 to 30 kg payload
- ±0.05 mm repeatability on every model
- Stops on contact; every cell still gets a risk assessment



CASE STUDY · GRIPSPORT · BIKE RACKS

Welding time cut by 40%, productivity up 30%

A 25-year-old Australian bike rack maker with a wide, ever-changing product range. Programming a traditional robot took a day or two per job, and manual welding couldn't keep the standard they wanted. With a CoboMate Welder, two existing fabricators were trained and producing parts in a single day.

40%
less welding time

30%
more output

1 day
to train two operators

> **"The weld quality has increased a great deal. ... We have nice straight welds, all the time, every time."**
>
> Paul Carmichael, Welding Supervisor, GripSport

GLOBALLY PROVEN, FIELD TESTED

The same RBW system is welding in shops around the world, through a network of 20+ RBW partners. Customer stories include Romberg (Germany), Belo Machinebouw (the Netherlands), FH Industrial (Spain) and Basaraneller (Turkey). Watch them at **ankaeng.com.au**.

HOW WE WORK

From your first part to production

01
Free proof of concept
Send us a part or drawings. We weld it on a cobot in our workshop and give you the samples, a video, the cycle time and a fixed quote.

02
Design and build
Cobot, welder, torch, tables, positioners and safety specified around your parts. Turn-key option with custom jigs and programs.

03
Install and train on site
Commissioned on your floor and your operators trained, anywhere in Australia or New Zealand. Typically 4–6 weeks from order.

04
Support
New part programming, spares and consumables from the engineers who designed your system.

We also supply **Hyundai Welding** Super M welders, **EDR** robotic torches, torch cleaning and fume extraction, and certified **laser safety** glasses, helmets, windows and enclosures.





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ENGINEERING & AUTOMATION

See your own part welded by a cobot

Tell us what you weld. We'll come back within one business day.

CoboMate systems start from $85,000 + GST. You get a fixed quote after your free proof of concept.

1300 029 207

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Williamstown North VIC 3016

Scan to see customer videos, configure a cell and book a free proof of concept.