



ArcWorld[®] C-30

with DX200 Controller

COMPACT ARC WELDING WORKCELL

KEY BENEFITS

Compact workcell suited for job shops and support processes

Mounted on a common base for quick installation and relocation

High flexibility without increased footprint or integration complexity

SPECIFICATIONS

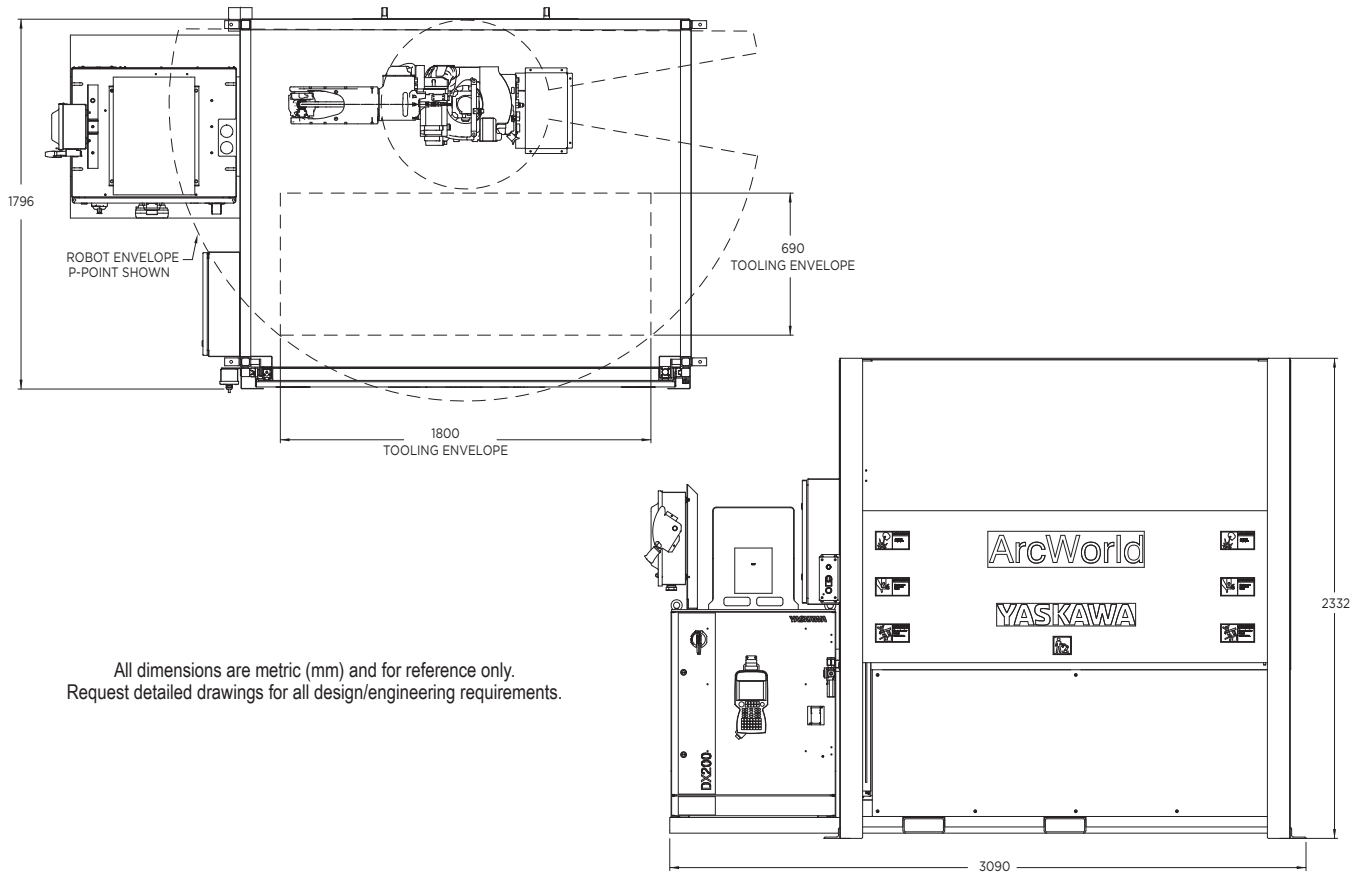
150 kg table payload capacity

1,800 x 690 mm max part size

1,651 x 2,159 mm table area

- Designed specifically for high-mix production of small- to medium-sized parts
- Ideal for low- to medium-volume fabrication requirements
- Workcell is shipped pre-assembled on a common base
- Small footprint for efficient use of space
- Pneumatic-operated door guard for operator safeguarding
- Electromechanical dual-channel safety switch to prevent access to robot during weld process
- Complete sheet metal enclosure for arc flash protection
- Full size MA1440 robot allows for greater part coverage
- Functional Safety Unit to monitor robot position and movement
- World's fastest MA1440 arc welding robot can reduce cycle time by 15 percent, greatly enhancing productivity
- MA-series robots are backed by the industry's only two-year torch cable warranty
- Stationary table for low cost
- Table can be customized with ergonomic part fixtures
- Easy access to components for simplified maintenance and fast service
- Cable routing in covered tray under table for improved life and minimized trip hazard
- Ideally suited to job shops with Kinetiq Teaching™ option
- DX200 controller with dual-channel safety circuitry

ARCWORLD C-30



All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

SPECIFICATIONS

MA1440 Robot

6 kg payload
1,440 mm reach

ArcWorld Welding Package

Weld-in-Teach mode function
Graphic arc files
Digital weld interface
Integrated Tregaskiss air-cooled torch package
Arm-mounted 4-roll wire feeder
Welding power source

Operator Control

E-Stop
Illuminated push button cycle start
(latching relay interlocked for safety)

Total Safety Environment

(in compliance with ANSI/RIA R15.06-2012 and
Canadian safety standards)
Single point of operator control
Barrier guarding with protective solid panels
Cycle start button interlocked w/safeguards
Pneumatic operated door guard
Functional Safety Unit (FSU) to monitor station
axis on operator side

DX200 Controller

Programming pendant with single point of control
Large color touch screen
USB and CF card memory storage
Standard workcell software functions
Multi-tasking (up to 7 jobs at once)
Mirror copy
Ladder logic editing/display
Collision detection
Software weaving
Ethernet port
Fieldbus I/O options

KINETIQ TEACHING OPTION

Ideal for new and experienced welding programmers
Direct teaching is more intuitive and reduces programming time
App-style, icon-based menus are easy to learn
Significantly reduces training and programming time
for low-volume, high-mix batch production

Yaskawa America, Inc.
Motoman Robotics Division

100 Automation Way
Miamisburg, OH 45342
Tel: 937.847.6200
Fax: 937.847.6277

motoman.com