

PRECISION LASER WELDER · PROFESSIONAL SERIES

MaxLase 200P

1-YEAR PARTS & LABOR

24-HOUR REPAIR OR REPLACE AVAILABLE

Precision Laser Spot & Seam Welding for **Critical** Assemblies

The **MaxLase 200P** delivers fast, clean, and highly controlled welds across a wide range of materials and applications — with the repeatability that demanding production and repair work require.

IDEAL FOR

Precision pre-tacking of E.B. welded assemblies without electrode contamination.

MAXLASE 200P

\$14,500

FRIENDS OF E.B. WELDING

Call for your special discount pricing



SPECS / FEATURES



MAX AVG POWER
200 Watts



MAX PULSE ENERGY
180 Joules



PULSE WIDTH
0.3 – 25 ms



FREQUENCY
1 – 30 Hz



SPOT / WELD SIZE
0.2 – 2.0 mm



LASER TYPE
Nd:YAG · 1064 nm



COOLING
Internal chiller (built-in)



POWER REQUIRED
**220V · 1-ph
36 Amps**



TRANSFORMER
**110V · 8 kVA
included**



DIMENSIONS
35×24×47 in



WEIGHT
140 kg · 309 lb

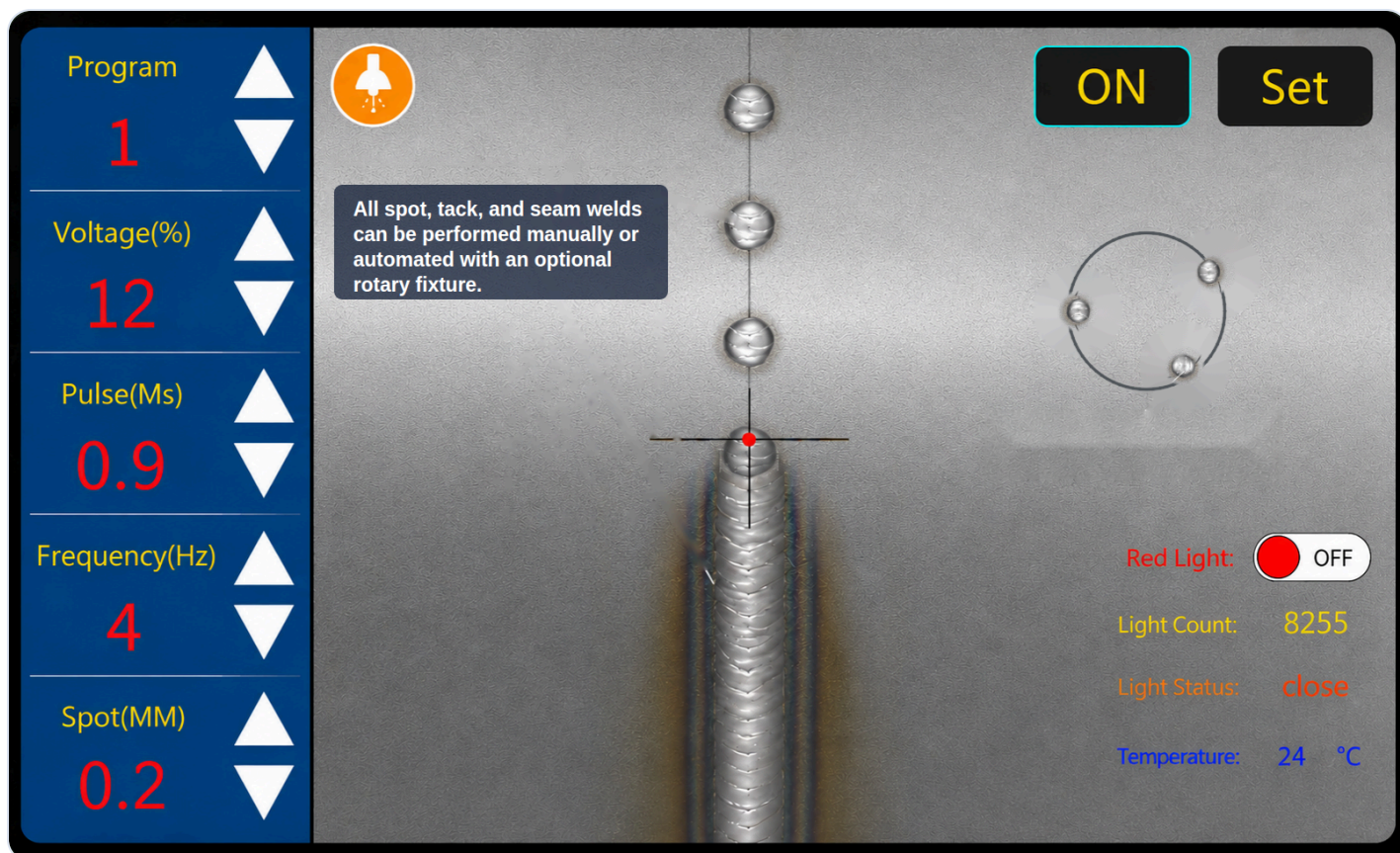


FORM FACTOR
Pedestal / floor

AVAILABLE OPTIONS

On-site full installation · Application development · Operator training · Integrated tilt-rotary (D65 / D69 / D80) · Tooling / rotary mounting plate · Lift table · 8 kVA transformer (110 → 220 V) · Spare parts (flashlamps & cover glass)

WELDING MODES & APPLICATIONS



Live scope view — automatic spot/tack & seam welds (optional rotary fixture) alongside a manually-tacked ½" plug.

OPERATION

Manual — standard Automatic tacking — with rotary
Automatic seam — with rotary

CONTROL SCREEN

Program Voltage % Pulse (ms)
Frequency (Hz) Spot (mm) Red-light pointer
Total pulse count Machine temperature
Shutter (light) status Parameter set / save

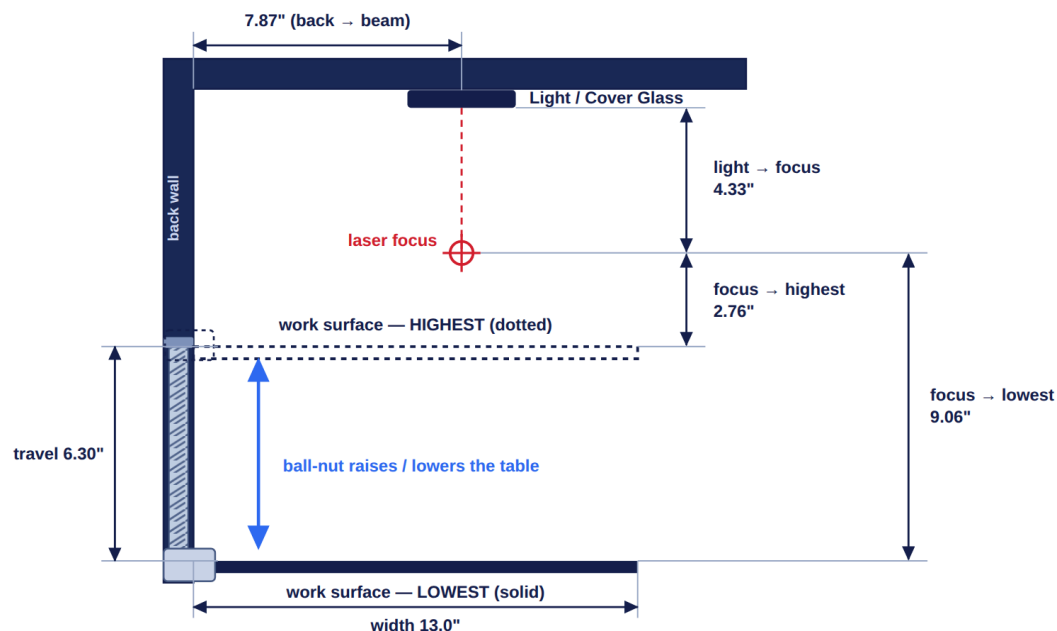
TYPICAL APPLICATIONS

Aerospace assemblies Medical device welding
Sensor pre-tack E.B. weld pre-tacking
Instrumentation Tool & die repair Mold repair
Jewelry repair

MATERIALS

Stainless steel Titanium Aluminum Kovar
Inconel Nickel alloys Copper alloys Gold
Silver Platinum ...and most metals

WORK CHAMBER & MOTORIZED WORK TABLE



KEY WORKING DIMENSIONS

WORK-SURFACE WIDTH

13.0" 330 mm

BACK WALL → BEAM

7.87" 200 mm

LIGHT → FOCUS

4.33" 110 mm

MOTORIZED BASE TRAVEL

6.30" 160 mm

FOCUS → HIGHEST SURFACE

2.76" 70 mm

FOCUS → LOWEST SURFACE

9.06" 230 mm

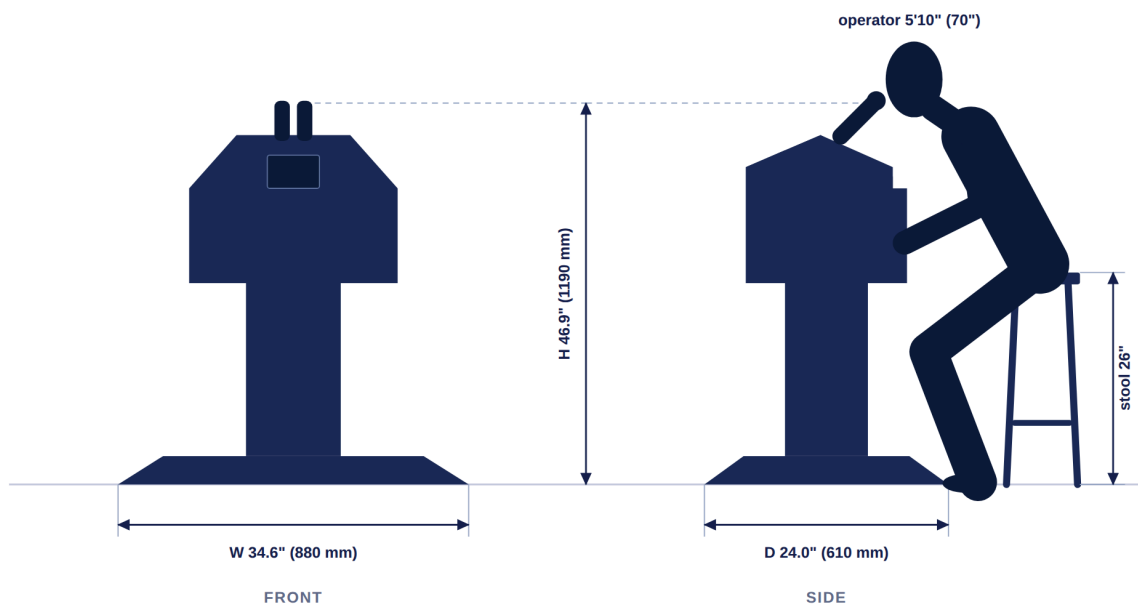
TABLE DRIVE

Ballscrew motorized

BENEATH WORK SURFACE

Open nothing under

OVERALL DIMENSIONS & OPERATOR SCALE



Overall (W × D × H) **34.6 × 24.0 × 46.9 in** (880 × 610 × 1190 mm)

Weight **309 lb** (140 kg)

Form factor **Pedestal / floor**

Front & side elevations · external envelope 34.6 × 24.0 × 46.9 in (880 × 610 × 1190 mm) · 309 lb (140 kg) · shown with a 5'10" operator seated at the microscope on a 26" stool.