COLLABORATIVE ROBOTIC WELDER

Automate repetitive welding tasks using a safe and easy-to-program collaborative robot platform, the SCOTT Universal Robot Welder.

**SYSTEM BENEFITS:**

- **IMPLEMENTATION**
  Easy implementation, minimal modifications to existing buildings with no fixed structures needed.

- **OPERATION**
  Automate repetitive welding tasks using a safe and easy-to-program collaborative robot platform, the SCOTT Universal Robot Welder.

  Teach the collaborative robot your welding routines via the “lead-through method” with a hands-on interactive approach; or alternately write programmatically on the PolyScope Touchscreen Tablet to follow precise straight lines and circular geometry.

  Simple welding parameter selection via digital interface, the welding power source digitally stores up to 5 different weld schedules and can recall them for each weld routine.

  Easy to deploy and re-deploy when your production requirements change. Install into an existing welding bay instead of a dedicated safety cell.

  Overhead mounting of the robot for maximum flexibility and best access to the part and around any tooling.

  Also suitable for a variety of other deposition processes such as Glue Dispensing, Urethane Bead Application, Caulking and Dosing of materials.

**SUITEABLE UNIVERSAL ROBOTS**

- **Universal Robot UR5**
  - Weld parts up to 1000mm long x 800mm wide x 500mm high
  - Process equipment up to 5kg

- **Universal Robot UR10**
  - Weld parts up to 1400mm long x 1000mm wide x 800mm high
  - Process equipment up to 10kg
FEATURES OF COLLABORATIVE WELDING SYSTEM/ROBOTS

- **COLLABORATIVE ROBOTS**
  Now you can replace human operators in dirty, dangerous, and dull jobs to reduce repetitive strain and accidental injuries.

- **EASY PROGRAMMING**
  Operators with no programming experience can quickly set up and operate the UR Range of robots with intuitive, 3D visualization.

- **FAST SET UP**
  The average set-up time reported by our customers is only half a day. The out-of-box experience for an untrained operator to unpack the robot, mount it, and program the first simple task is typically less than an hour.

- **FLEXIBLE DEPLOYMENT**
  Don’t be limited by dedicated robotics. Universal Robots are lightweight, space-saving, and easy to re-deploy to multiple applications without changing your production layout. Moving the robot to new processes is fast and easy, giving you the agility to automate almost any manual task, including those with small batches or fast change-overs. The robot is able to re-use programs for recurrent tasks.

PROCESS EQUIPMENT AVAILABLE

- **WELDING:**
  1: Fronius
  a. TransSteel Compact (MIG / MAG)
  b. Trans Pulse Synergic (TPSi)
  c. Cold Metal Transfer (CMT)
  2: ESAB
  a. Aristo 5000i (MIG / MAG)
  3: Kemppi
  a. FastMig
  b. FastMig Synergic
  c. A7 MIG Robotic

- **GLUEING/SEALING:**
  4: Nordson
  5: Graco
  6: Robatech

OPTIONS AVAILABLE

Demmeler Welding Table
- 1000 x 1000mm or 1200 x 1200mm
- Standard finish, or
- Nitride treated

Demmeler Modular Clamping System
- Manual clamps
- Magnetic clamps
  - Kemper Fume Extraction
  - Arc Flash Protection Curtains
  - Custom Designed Tooling