

Dabber[®] Pro

High Precision Circumferential Welding

- High precision welding system with 3-5 axes; expandable with fully-digital controls.
- Full synchronization of current and wire feed to produce a high frequency “dabbing” motion during welding. The result: a superior weld quality on a variety of heat sensitive alloys.
- Multi-process capable, using both Gas Tungsten Arc Welding (GTAW) and Plasma Arc Welding (PAW) with a quick change-over feature. Minimal downtime.
- User friendly HMI with real-time parameter control and key process data logging.



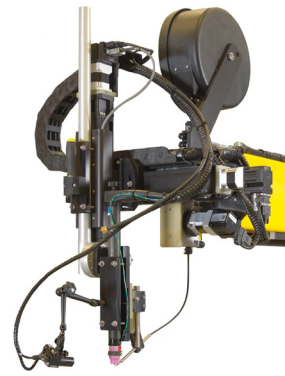
The Liburdi Dabber® Pro builds on the extensive service history of the original Hobart Dabber® of the 1980's. All of the functions and capabilities associated with the legendary Dabber® system are still available on the Dabber® Pro, with increased functionality and user friendly operating interface. Dabber® welding systems have been approved by all major aircraft engine manufacturers and component overhaul facilities.



Mast and Boom
 Boom stroke 72 in (183 cm)
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 Boom & mast travel speed range
 5-120 IPM (13-305 cm/min)
 Load capacity at boom end
 500 lbs (227 kg)



Precision Rotary Positioner
 Load capacity 1,489 lbs @ 18"
 from mounting plate
 Tilt range 0° to 135°
 Tilt speed 0.1-0.9 /RPM (135°
 in 25 sec)
 Max torque 20,000 in-lbs



Weld Head
 Easily maintained and serviced
 High precision wire feeder
 Onboard wire spool
 Flexible positioning for a variety
 of applications
 Motorized oscillation and AVC



Software
 Controls all key processes
 Programming can be completed in
 time or position modes
 Real time high speed data logging
 for multiple key process variables

Operator Control Station



User Friendly HMI

Dual 17" industrial touch screen monitors and keyboard, USB printer port, USB removable flash drive, LAN communication. Embedded CPU with custom controller board. Telemetry and positional feedback. Parameter override functions that can be adjusted and viewed during production welding. Easy programming with direct entry or 'drag and drop' graphic interface.

LCX-T Weld Controller

Motion controller platform with fully embedded PC. Extremely fast response times. Key process synchronization up to 10HZ. 36 I/O points. Ethernet based.

Power Supply



Single power source for GTAW and PAW applications. Linear, extremely fast response rate to allow for sub-millisecond rise times, resulting in superior welding quality. Pure, clean output current for consistent results. Modular expandability.

Gas Panel

Process gasses; shield, trail, plasma and backup. Electronic solenoid controlled with manual rotameter flow on the front panel. Optional programmable mass flow controllers.

Liburdi Automation

International - Canada
 tel: 1-905-689-0734
 email: liburdi@liburdi.com

USA
 tel: 1-704-230-2510
 email: liburdi@liburdi.com

Europe
 Tel: +31-6-2036-1018
 Email: liburdieurope@liburdi.com

Asia
 Tel: +86-18301251691
 Email: rliu@liburdi.com