

Huys Industries' new automated Low Energy Welding (LEW) system is developed to deposit high quality coatings for component repair and surface modification.



Components:

- Integrated LEW Power Supply
- Automated LEW Coating Head
- Coating Head Controller

Electrical Service

Huys automated LEW system uses single phase 120/240 V electric power, with 50/60 Hz frequency.

Features

- Easily integrated with robots and CNC systems
- Control system provides force feedback, spark feedback and position feedback
- User friendly HMI with touch controls
- Integrated control for both welding power supply and coating head controller
- Real time monitoring of machine status and process parameters
- Multi-mode (Rotating & Vibrating) coating head can adapt various applications
- Integrated shielding gas system for high quality welding

Integrated LEW Power Supply



- Position feedback control
- Force feedback control
- Spark feedback control
- Integrated HMI with touch control
- Machine status monitoring
- Real time parameter monitoring

Automated LEW Coating Head



- 3 Modes:
 - Rotating
 - Vibrating
 - Rotating & Vibrating
- Integrated shielding gas system
- Pneumatic brake to prevent the head from crashing

Coating Head Controller



- Welding Parameter Control:
 - Voltage
 - Capacitance
 - Frequency Control
- Motor Speed Control
- Rotational Direction Control