



Easier. Smarter. Faster.

## Automated Low Energy Welding System

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



### Components:

- Automated integrated LEW power supply Huys # 6350
- LEW automated coating head
- Coating head controller Huys # 4100

### 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 statuses and process parameters
- Multi-mode (Rotating & Vibrating) coating head can adapt various applications
- Integrated shielding gas system for high quality welding

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## Coating head controller 4100

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



## LEW automated coating head

- Mode:
  1. Rotating
  2. Vibrating
  3. Rotating & Vibrating
- Integrated shielding gas system
- Pneumatic brake to prevent the head from crashing



## Automated integrated LEW power supply 6350

- Welding parameter control:
  1. Voltage
  2. Capacitance
  3. frequency control
- Motor speed control
- Rotate direction control