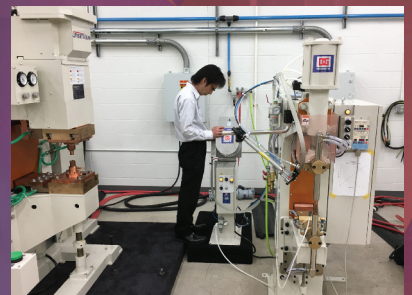


New Weld Test Lab & Training Center Now Available For Customer Support

Dengensha America's new Resistance Welding Test Lab & Training Center features expanded test capabilities for much of the company's major resistance welding equipment.



**DENGENSHA
AMERICA**

Engineering Resistance Welding Value★

Among many capabilities, our new Resistance Welding Test Lab and Training Center enables Dengensha engineers to better analyze specific customer application requirements to better determine best parameters for more customized equipment. It also offers a "push-out" test capability to confirm weld strength after testing.

"Our new Resistance Welding Test Lab & Training Center is now fully operational and getting plenty of customer interest. We are also receiving new testing requests weekly. Consequently, we have already expanded our list of test capabilities."

Don Grisez
Dengensha America COO

Equipment	Capability or Feature
LinearWave Welder	Capacitor discharge with inverter output, up to 150,000A with 30kN of force
NDZ Capacitor Discharge Welder	50,000A and 10kN of force
MFDC Welder	150kVA with 42,000A and 10kN of force
AC Welder	100kVA with 33,000A and 10kN of force
Vibratory Nut Feeder	To upper electrode with upside nut detection feature
Magnetic Rotary Nut Feeder	Quiet, compact, easy to maintain
Servo X-Gun on FANUC Robot	Maintenance-free reduction gear
Adaptive Control Timer with EIP	Robot-integrated type. Data management software available

ClassRoom Style & HandsOn Training Capabilities

- Basic resistance welding
- AC and MFDC welder/weld control
- Servo-Gun maintenance training
- LinearWave/CDW capacitive discharge welder
- Nut feeder and bolt feeder maintenance and trouble-shooting
- Weld scope and pressure gauge
- Integrated weld control
- Feeder PLC



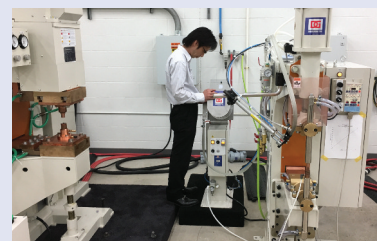
Push-out test to confirm weld strength



Ring projection weld test on LinearWave



Reduction Gear X-Gun mounted on FANUC Robot



New Magnetic Rotary Nut Feeder

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