

TOMMYV EDM
PREVENTATIVE MAINTENANCE SERVICE
for
FANUC WIRE EDM MACHINES

Upper Head

- a) Disassemble, inspect, and clean all components of upper head
- b) Remove all power leads and clean terminal ends
- c) Replace or index worn parts

Lower Head

- a) Disassemble, inspect, and clean all components of lower head
- b) Remove all power leads and clean terminal ends
- c) Replace or index worn parts

Work Tank

- a) Disassemble seal plate assembly; clean, adjust, and replace any worn parts
- b) Clean water level pressure sensor port

Brake Shoe Assembly

- a) Clean and inspect brake shoe
- b) Index or replace brake shoe

Wire Path

- a) Check, index, or replace felt wire guide
- b) Check all rollers for grooves
- c) Check all rollers for smooth operation
- d) Clean lower roller & replace bearings
- e) Check lower arm assembly for debris
- f) Check pinch roller for grooves and smooth operation
- g) Check/ clean wire guide assembly at feed unit

Automatic Wire Feed Unit

- a) Clean / inspect fault detect pin
- b) Clean / inspect or replace fault detect pin block
- c) Replace cutting electrodes or rubber pad
- d) Check AWF assembly for smooth operation
- e) Check adjustment of water jet pressures
- f) Clean / replace spring plates if necessary
- g) Clean AWF sub guide

Resistivity Electrodes

- a) Clean water resistivity sensor.
- b) Calibrate sensor if necessary.

Air Filters

- a) Clean CNC cabinet air filters
- b) Clean refrigeration unit air filter

Servo Tension Assembly

- a) Check and recalibrate wire tensions.

Mechanical Strainers

- a) Remove and clean all mechanical Strainers.

Lubrication

- a) Remove old grease from linear guides. Apply specified grease to linear guides and ball screw.

Feed unit

- a) Disassemble, clean, and inspect all feed unit components
- b) Replace feed and pinch roller bearings
- c) Index feed and pinch rollers, replace if necessary

EDM Power Supply

- a) Run test cut
- b) Calibrate cutting voltages if needed