

SE1900S-500 Pull Loading Machine



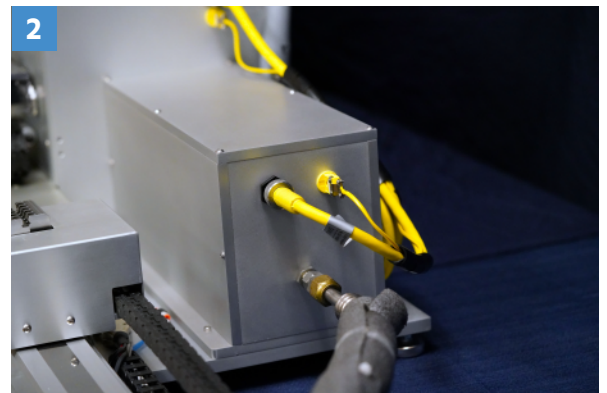
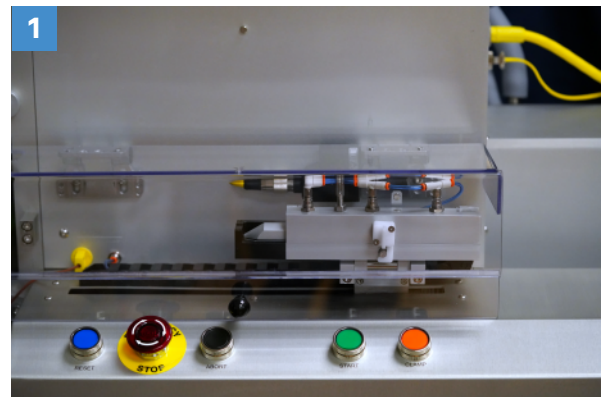
The **MSI SE1900S-500** Self-Expanding Stent Loading Equipment expands on industry-proven stent loading technology with the industry first of its kind pull loading option which is ideal for difficult to distal push load nitinol stents and long length large diameter nitinol peripheral stents.

Along with Active force compliance adjustment, automated force calibration, multiple-stage control, and self-aligning catheter clamps making the -500 system the industry standard in pull loading technology.

The patent pending CrimpPulse™ Technology reduces friction during loading making it possible for manufacturers to process longer length, and difficult to load stents. The SE1900S-500 is PLC controlled with an industrial touch screen HMI user interface. The PC allows for networking with local and server-based data management and integration with other systems. These capabilities make the SE1900S-500 an excellent choice for high volume manufacturers looking for advanced process control and integration with current MES systems.

PRODUCT FEATURES

- Pull loading option
- Active force compliance adjustment
- Automated force calibration
- Multiple-stage control
- Self-aligning catheter clamps
- Controlled with an industrial touch screen



SE1900S EQUIPMENT SPECIFICATIONS

CONTROL MODE

- Crimp Diameter-Servo controlled, operator adjustable
- Crimp Speed-Servo controlled, operator adjustable
- Pull Clamp position-Servo controlled, operator adjustable
- Pull Clamp speed-Servo controlled, operator adjustable
- Catheter Clamp Open/Close-Pneumatic controlled
- Catheter Clamp Advance/Retract-Pneumatic controlled
- Crimp Head Temperature-PLC controlled, operator adjustable

SENSORS

- Crimp Force-Load cell with overload protection
- Crimp Diameter-Dual linear encoder
- Pull Clamp-Motor encoder
- Pull clamp force-Load cell with overload protection
- Crimp/Pull Clamp speed-Encoder and motor counts
- Crimp Head and Bore Temperature-Thermocouple

OUTPUTS

- Crimp Diameter, Crimp Force, Crimp Speed, Pull Clamp Force, Pull Clamp Speed, Pull Clamp Position-HMI touch screen
- Process Parameter Alarms-crimp force, Pull Clamp force, temperature
- Full Cycle Data Acquisition-crimp force, crimp diameter, Pull Clamp force vs. distance, loading temperature-PC HMI, USB thumb drive

OPTIONS

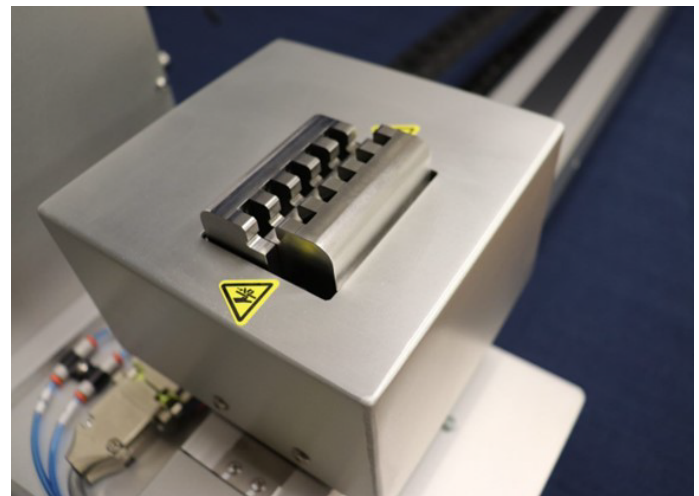
- Crimp head chilling
- Crimp head bore chilling
- Foreign language HMI

SAFETY FEATURES

- Category III safety circuit
- Emergency stop
- Polycarbonate safety covers with interlock switches
- CE compliant

SUMMARY OF SPEC DATA

Crimp Diameter Range	0-40mm or 0-50mm
Crimp Head Length	235mm
Crimp Head Tip Material Options	SS, Teflon, Delrin, and Ertalyte
Crimp Head Activation	Single activation servo drive motor
Maximum Crimp Force	200lbs.
Maximum Quill Force	Max pull force 50lbs. (standard)
Force Display Accuracy	± 1.0 lb
Diameter Accuracy	± 0.001 "
Control System	PLC
Cycle Data Storage	PC HMI , USB Thumb Drive , Network
Power Requirements	110-240VAC 50/60Hz
General Warranty	1 Year



MACHINE DIMENSIONS

- Shipping Weight: 371 lbs (168 kg)
- Machine Weight: 260 lbs (118 kg)
- Height: 26" (660 mm)
- Width: 46" (1168 mm)
- Depth: 18" (457 mm)