

Magnetic Particle Inspection (MPI)

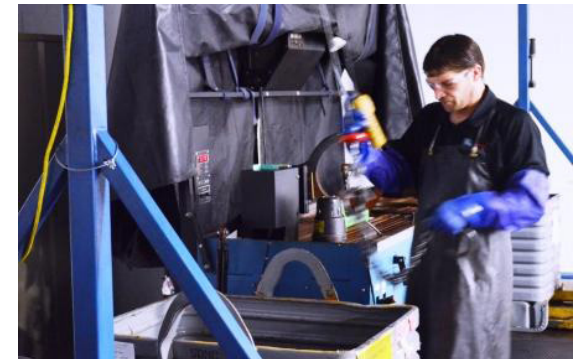
- **Detects** surface and slightly subsurface discontinuities
- **Parts** made from ferromagnetic materials including attachment parts, castings, con rods, forgings, ground engagement tools, machined or stamped parts, transmission cases



SCSI's wet horizontal MPI machine at our Peoria-Broadway facility, can accommodate parts up to 200 pounds.



Wet fluorescent MPI is more reliable and more sensitive to very fine defects and more convenient than visible dry MPI.



SCSI uses a **portable magnetic hand-held yoke** for:

- heavier parts
- parts that need to be inspected off-site
- hard to reach part areas

At SCSI, we:

- **Pre and post-clean** in a solvent degreaser, dry and coat with light rust preventative oil.
- **Create and send a Test Report** following the job

For a Quote, Call:

U.S. Sales

+1.877.345.5651

usasales@scsinternational.com

Nondestructive Testing (NDT)

Let SCSi evaluate your parts, without causing damage, so they can still be used

Leak Testing (LT)

- **Detects** location of leaks and measures the leakage through the leak
- **Parts** with hermetically closed elements, vessels and tubes

Liquid (Dye) Penetrant Inspection

- **Detects** hairline cracks, surface porosity, and fatigue cracks
- **Parts:** Welds, weld overlays, castings and forgings, valves and their components, machined parts, pressure vessels, clad vessel linings, and structural steel

Ultrasonic

- **Detects** surface and sub-surface flaws and measures thickness of materials
- **Parts:** Steel and other metals and alloys

Hardness Testing

- **Detects** hardness value of a material
- **Parts:** Ferrous and non-ferrous metals and alloys, select non-metallic materials, welds and weld overlays, castings and forgings, piping, stress relieved material, machined parts, pressure vessels, and structural steel



Nondestructive Testing (NDT) Capabilities	SCSi Warehouses					
	Peoria IL	Lafayette IN	Osceola WI	Seguin TX	Waterloo IA	Charleston SC
Leak Testing	x	x	x	x	x	x
Liquid (dye) Penetrant	x	x	x	x	x	x
Ultrasonic	x					
Hardness Testing (<i>Rockwell 15-N / 30-N, Rockwell B, Rockwell C, Brinell</i>)	x					
Magnetic Particle Inspection (MPI)	x	(yoke only)				