InductoScan®

Induction Heat Treat System

The **InductoScan®** system uses a standardized modular design which provides flexibility in mechanical fixtures, control and operation.

A significant advantage for customers is that this system uses individual modules for power, mechanics, cooling and controls that can be reconfigured to accommodate future production needs.

InductoScan® with PLC / PC HMI control

Features/Benefits:

- Mechanical modules provide various process solutions; scan, lift/rotate, pick & place, linear transfer and rotary index
- Flexible design allows a wide range of power supplies and controls to be changed or upgraded to meet future needs
- Single utility connection for fast installation or relocation
- Removable plumbing cover enables full access to all mechanical components for easy maintenance/changeover
- Self-contained system on a common base to support standalone work cell requirements
- User-friendly PC/PLC based controls simplify set-up, changeover, diagnostics and process monitoring
- Quench recirculating system with plate and frame heat exchanger
- Water cooling recirculating system for inverter and coils

Heavy-Duty Hardening System

The InductoScan is a high performance induction heating system for mid-to-high volume and/or multi-shift operations. Multiple scan-tower modules are available to accommodate a wide variety of parts.

Machine Control For Maximum Workpiece Flexibility

The InductoScan system offers PLC control technology. These programs are designed for effortless touchscreen navigation and are ideal for monitoring and logging the process of every part during the heating application.

Designed For Long Life Performance

Components and designs are field proven with more than 40 years of experience behind each machine. All equipment and tooling are backed by the world's largest designer and manufacturer of induction heating equipment.

For more information, call 800/624-6297, email: sales@inductoheat.com or visit www.inductoheat.com

INDUCTOHEAT
An Inductotherm Group Company

InductoScan®

Induction Heat Treat System

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SPECIFICATIONS:

Standard Power Ratings (Other sizes available upon request.)	50 - 300 kW @ 3, 10 and 30 kHz 50 - 200 kW @ 50 kHz, 50 - 150 kW @ 200 kHz		
Quench and Cooling System	Water-to-water plate and frame heat exchangers with pumps, temperature controllers, quench heater, pressure gauges and valves.		
Control	PC operator interface to PLC control circuit. Optional PLC / HMI controls.		
Tower Module	**Statiscan® Tower**	**Euroscan® Tower**	**Uniscan® Tower**
Maximum Part Length	30" (760 mm)	36" (900 mm)	44" (1120 mm)
Maximum Scan Length	24" (610 mm)	28" (730 mm)	40" (1000 mm)
Scanning Speed (Max.) per second	4" (100 mm)	24" (610 mm)	10" (200 mm)
Workpiece Capacity / Spindle	25 lbs. (12 kg)	45 lbs. (20 kg)	100 lbs. (45 kg)
Spindle Rotation (RPM)	0-350	0-165	0-325
Height Tower Up	96" (2400 mm)	107"(2700 mm)	130"(3300 mm)
Height Tower Down	82" (2100 mm)	82" (2100 mm)	86" (2200 mm)
Shipping Weight	6200 lbs. (2800 kg)	6200lbs. (2800kg)	6700 lbs. (3000 kg)
Machine Dimensions	88.25"W (2250 mm) X 75"D (1900 mm)		
Power Requirements @ 480V, 60Hz, 3 phase	50 kW 70 kVA 100 kW 140 kVA 150 kW 205 kVA 200 kW 270 kVA 300 kW 395 kVA		
Plant Water Requirements @ 11° F Rise (6° C) @ 30 PSID (2.05 BAR) @ 85° F Max. in (30° C)	50 kW 35 GPM (125 LPM) 100 kW 65 GPM (245 LPM) 150 kW 100 GPM (370 LPM) 200 kW 130 GPM (490 LPM) 300 kW 195 GPM (740 LPM)		
Safety Features	Heavy-duty sliding door designed for safe and reliable operation; power supply and control door interlocks; Inductor ground sensor; pressure switches on all water cooled capacitors; temperature switches on critical water paths.		

Options/Accessories: Motion program; Fault help; Process signature monitor; Trend screens; Pneumatically actuated door & upper centers; Insta-Change coil adapter; High pressure coil pump; Motorized upper tooling adjustment; Manual or Motorized X-Y Base for tower adjustment; Additional quench circuit; Robot or overhead gantry part handling system; Other mechanical system modules available.

*Specifications are subject to change without notice.


4 lobe Camshaft Heating


Spindle Heating


Tube scan hardening


Single-shot heating

AQSR ANAB
ISO 9001:2000 Certified