

INDUCTOSCAN[®] - Statiscan IV

Induction Heating Scanning System







Overview

MEDIUM DUTY INDUCTION SCANNER

The Statiscan® IV Induction Heat Treating Scanning System is a unitized vertical hardening system with four standard scanning spindles. This flexible platform is designed for medium duty heat treating and tempering of various parts and applications. This system can be configured for multiple heat treating operations such as; scan, single-shot, lift/rotate and linear transfer.

SELF CONTAINED SYSTEM WITH ROOM TO WORK

The Statiscan IV includes several spacious compartments that make adjustments, customizations, and regular maintenance easy, as the components are accessible and there is room to work. The power cabinet is large and can accommodate multiple induction inverters and a wide variety of power and frequency combinations.

REDESIGNED SCANNING TOWER

The Statiscan IV scanning tower has been redesigned with an upgraded ball screw, additional guide shaft, upgraded spindles, and better bearings. These improvements make the tower stronger, extends life expectancy, and provide a more reliable datum point that will maintain its position better over time.

USER-FRIENDLY HMI

User-friendly PC/PLC based controls simplify set-up, changeover, diagnostics, and process monitoring. The programs are designed for effortless touchscreen navigation and are ideal for monitoring and logging the process of every part during the heating application.

CQI-9 SIGNATURE MONITORING

Inductoheat's proprietary Signature monitoring package is a high-performance optional software solution that helps our customers achieve the highest quality induction process. The system captures real-time data to identify trends before product quality is affected. This data analysis allows you to focus on running production instead of spending time and money on destructive testing.

Features & Benefits

- Two to four spindles to process parts simultaneously
- Scan, lift/rotate, pick & place, robot, linear transfer
- Self-contained, compact design
- Different power ratings and frequency ranges
- Process monitoring options
- Reliable performance
- Simple utility connection for fast install and relocation
- Built-in inverter water cooling and quench recirculation
- Standard upper center adjustment (x-y) capability





Specs & Options

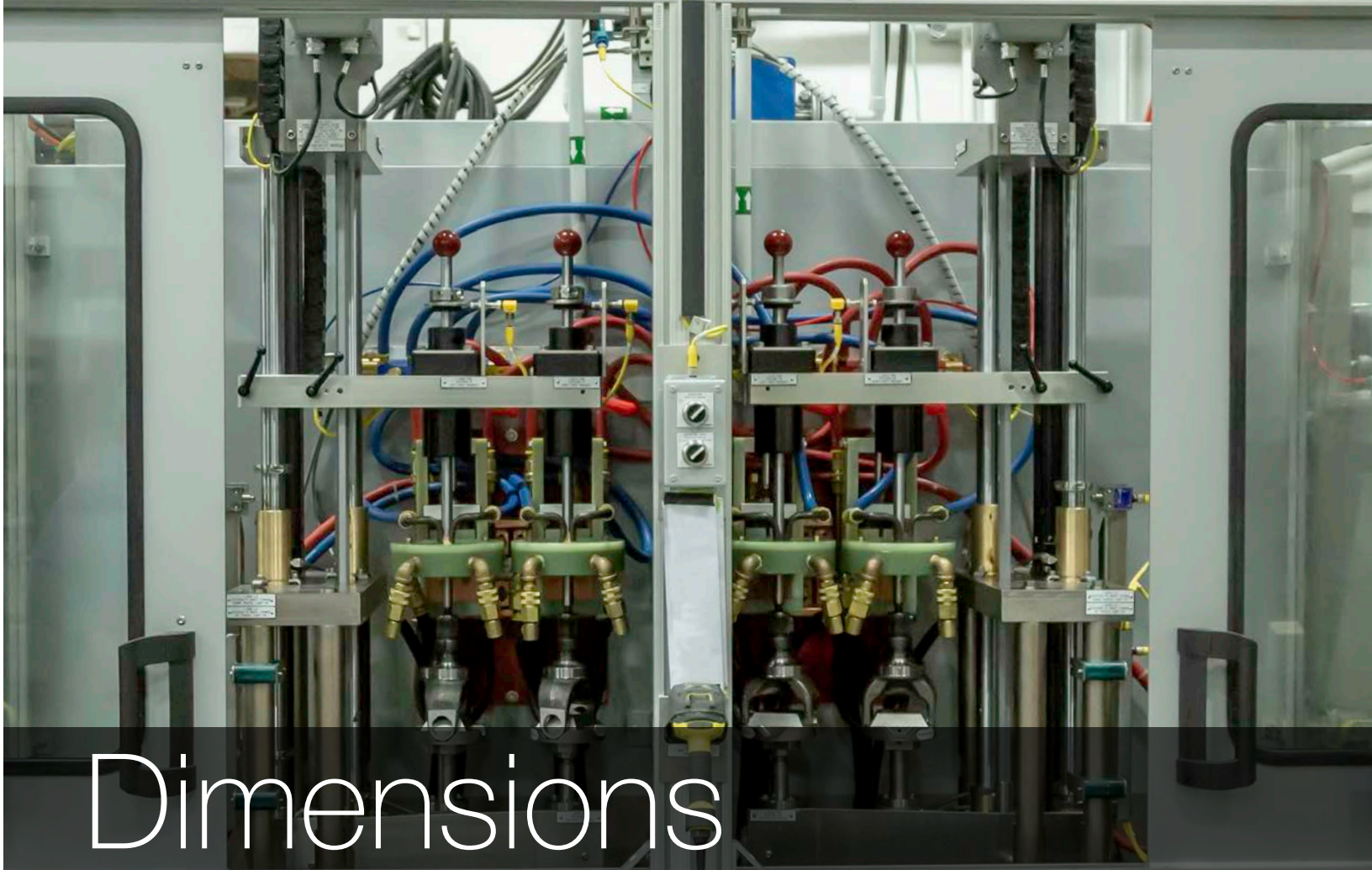
Machine Info

Standard Power Ratings	50 - 300 kW @ 10-200 kHz
Tower Scan Length	28.5" (724mm)
Maximum Part Length	30" (762mm)
Scan Speed (Max)/sec	10"/sec
Workpiece Capacity (Max)/Spindle	22 lbs. per spindle (50 lbs, max total)
Spindle Center Spacing	8" (203mm) on center
Standard Controls	Windows PC / PLC & HMI
Cooling System	Closed-loop nonferrous reservoir, heat exchanger, and recirculating system with centrifugal pump
Line Voltage	@480V, 60Hz, 3 phase

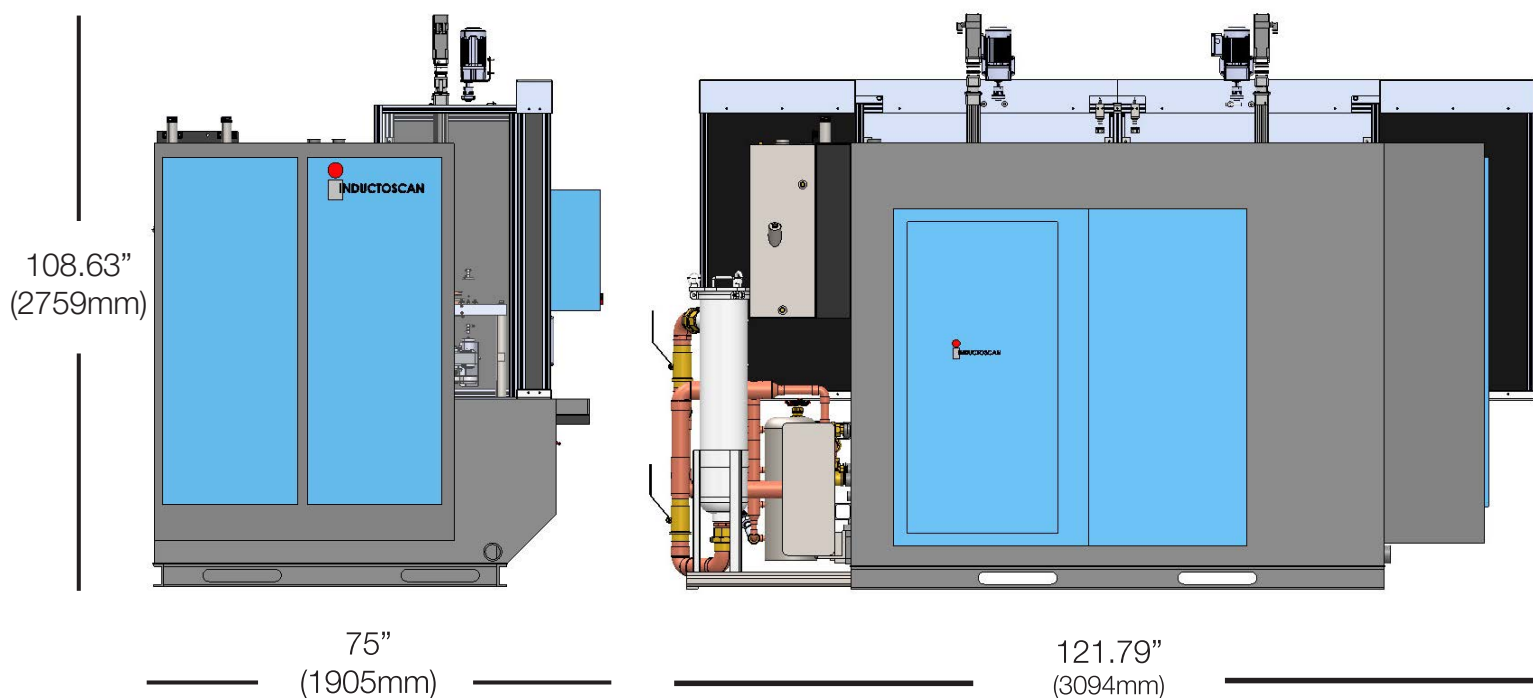
Available Options

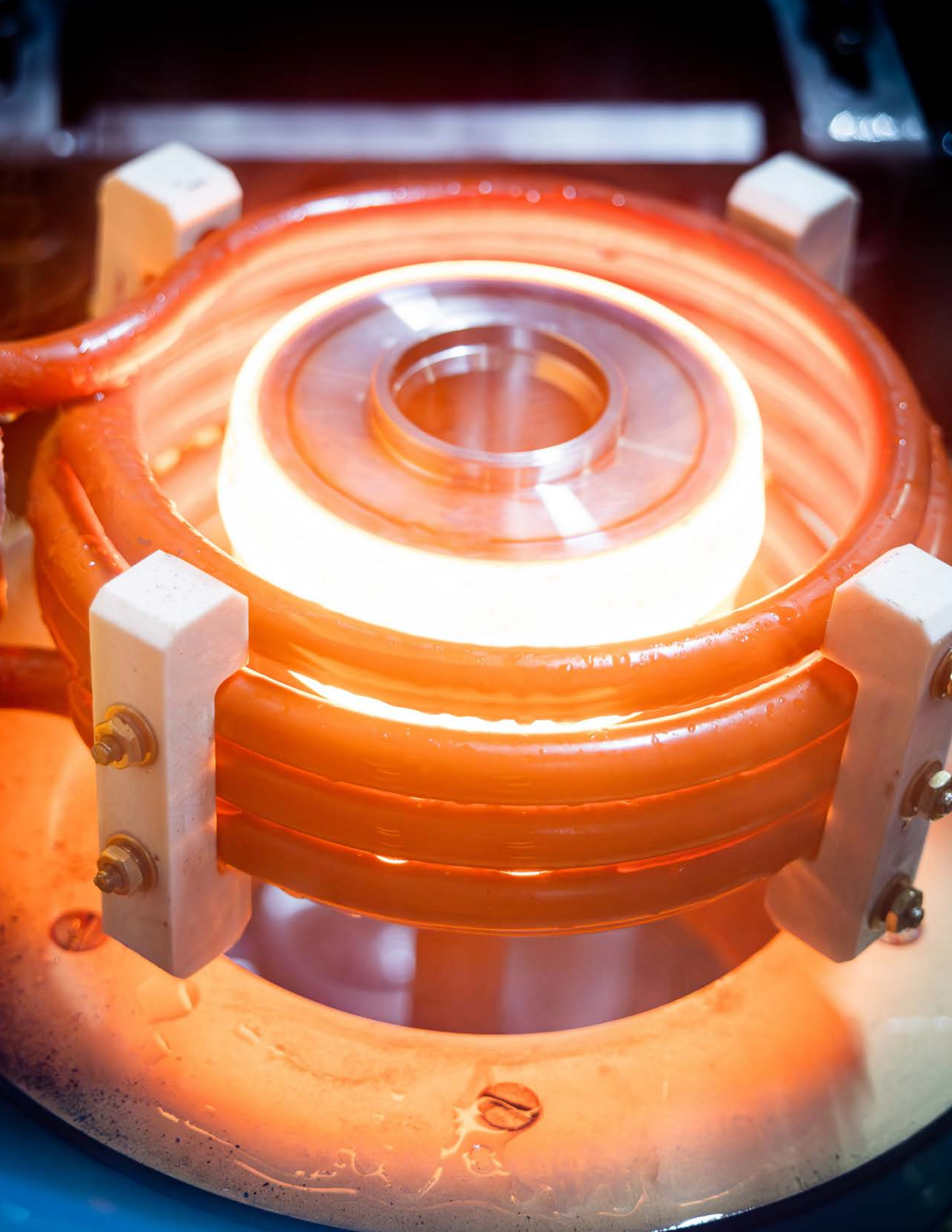
Auto Doors	Active TIR control
High-pressure coil booster pump	Insta-change coil adapters
Servo-driven actuators	Process data archiving
Signature process monitoring package	Pneumatic load assist vees
Pneumatic upper centers w/down pressure	Upper live centers for part rotation detection
Upper driven centers	Servo part rotation
Hollow spindles for ID part processing if needed	Mist collection system
LVDT - Linear transducer for precision part positioning	Auto-adjust upper centers
Quench filtration upgrade	Automatic lubrication system
Quench concentration sensors	Robot Interface upgrade
Automated heat-station and transformer tuning	6 axis 5kg robot





Dimensions





Induction is an **eco-friendly** process, as it does not generate carbon during heating. The electrification of the automobile and the manufacturing goal of a **zero-carbon target** process makes induction the perfect solution for heat treating, tempering, brazing, forging, and shrink fitting.

Inductoheat's experienced team of scientists, metallurgists, engineers, application experts, and aftermarket representatives stand ready to work with you.

Give us a call or send us a note.

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