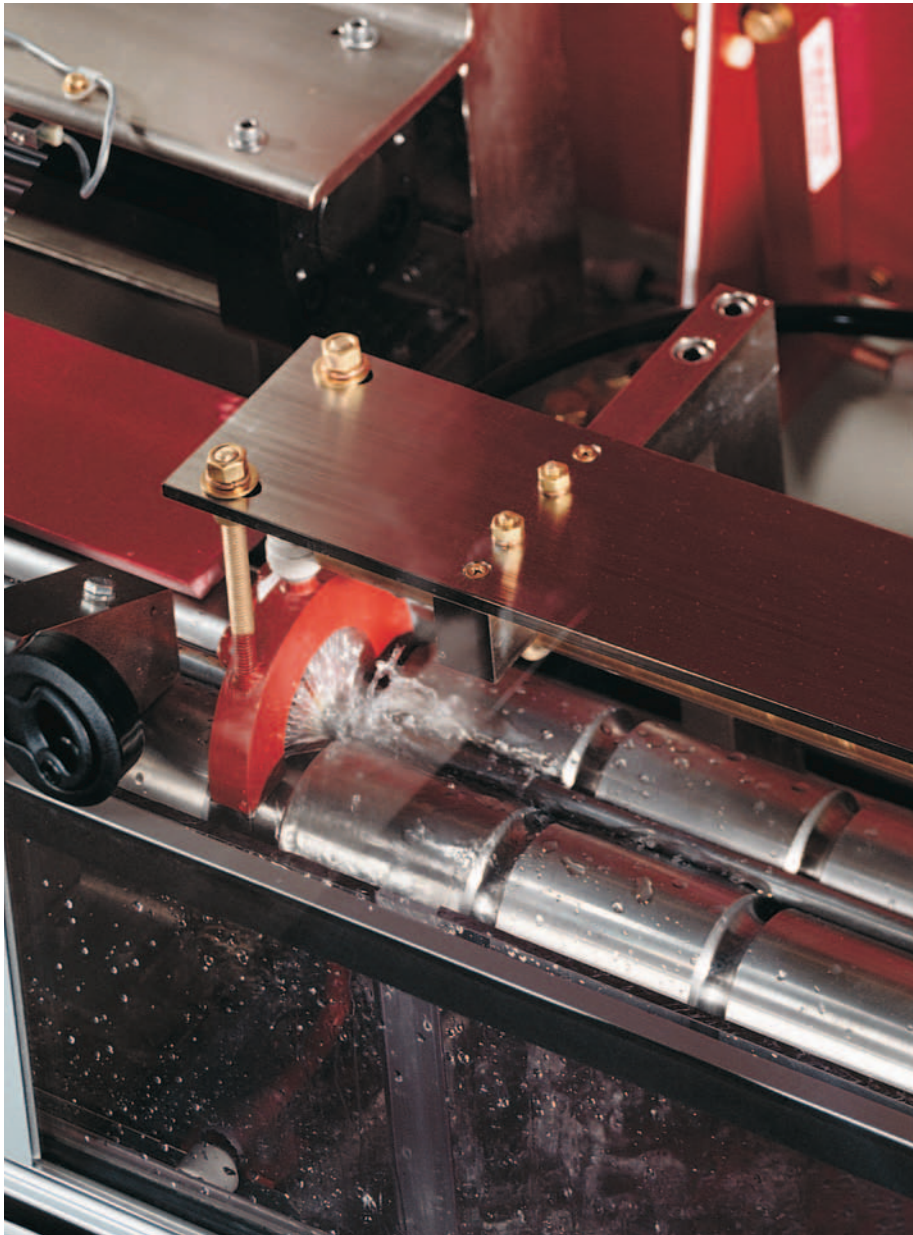


## Power Integrated Horizontal ScanMaster™

### Horizontal-Scanning Induction Heat-Treating System



Radyne's Power Integrated Horizontal ScanMaster is a self-contained induction heat-treating system for shaft hardening. This compact package includes a modern transistorized power supply, non-ferrous quench and cooling system, servo-drive and user-friendly Microsoft® Windows™ XP PC-compatible control of all system variables to maintain close tolerance of heat-treated parts in a paperless environment.

The system is designed to meet the stringent requirements of continuous or zone heat treating and allows simple integration with automation. If necessary, the Horizontal ScanMaster can also be configured to work with an independent power supply.

Quality part monitoring is achieved with the optional Radyne PC-compatible QAS 2000™ system to continuously track, in real time, multiple, graphically-displayed process variables. Data collection and logging is maintained for future SPC analysis.

## Features

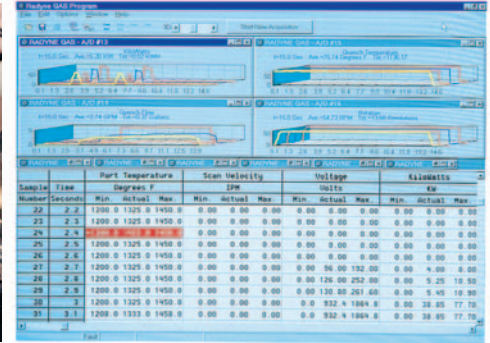
- Easily integrated with automation
- High speed servo-drive
- Variable part rotation
- Heavy duty construction
- Entirely non-ferrous quench system
- 300 Series stainless-steel 100 gallon quench reservoir
- Microsoft® Windows™ XP-based ScanMaster software
- Touch screen control interface
- Scanning speed – up to 10 inches per second

## Options

- Quickchange tooling for coil mounting
- Network compatible
- QAS 2000 quality assurance package



Heavy-duty horizontal tooling



QAS 2000 display shows actual real-time data against upper/lower setpoints. Out-of-bounds data is highlighted for immediate review.

## Technical Specifications

Quench System	Water-to-water heat exchanger with non-ferrous, centrifugal pump, digital temperature controller, quench heater and filter
Scanning Speed	0-10 inches per second
Control	PC-compatible industrial workstation with Microsoft Windows XP-based ScanMaster software and touch screen interface
Shaft Size Range	0.375 to 0.625 inch diameter, 3.875 to 12.50 inches long
Magazine Capacity	68 parts at 0.375 inch diameter, 41 parts at 0.625 inch diameter
Dimensions	72 inches wide x 80 inches high x 48 inches deep
Weight	4000 lbs

Power Ratings					
Electrical Output				Input Requirement	
10 kHz	30 kHz	50 kHz	200 kHz	KVA	Cooling Water (gpm)
			45	88	25
	50	50		80	25
75				108	50
			90	150	50
	100	100		137	50
			135	212	75
150	167	167		190	75
250				300	125



Horizontal system with magazine feed