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*Engineering  
Excellence*

## High Shear Mixers

### Ross Vacuum-Rated Laboratory High Shear Mixer with Jacketed Mix Vessel

Model Name:

*HSM-100LCI Vacuum*

Features:

- Vacuum capable up to 29.5"Hg
- Digital Electronic Variable Speed Controls  
Speed range: 500 – 10,000rpm  
(Calibrated to +/-1%)
- Electronic Push-Button Lift with 15" of travel  
(16" clearance under the mixing attachment)
- Interchangeable attachments:



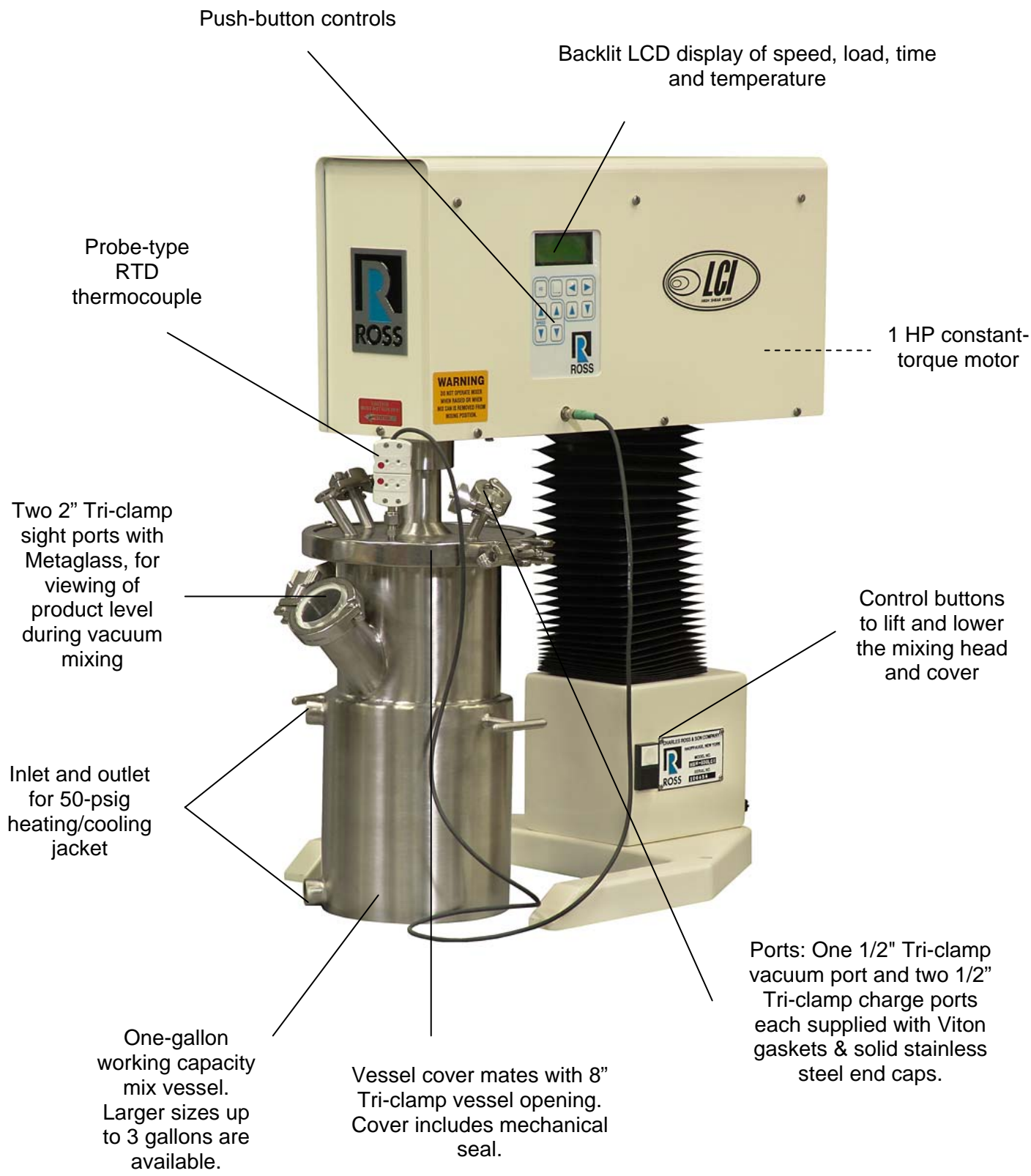
High Shear Rotor/Stator Attachment complete with Disintegrating, Slotted and Fine Screen Stator Heads.

Choice of Bushing: Teflon, Bronze, Glass-Filled Teflon.



High Speed Disperser Attachment. Includes a 2" disperser blade, 1-1/2" and 2-1/4" propeller blades.





Push-button controls

Backlit LCD display of speed, load, time and temperature

Probe-type RTD thermocouple

1 HP constant-torque motor

Two 2" Tri-clamp sight ports with Metaglass, for viewing of product level during vacuum mixing

Control buttons to lift and lower the mixing head and cover

Inlet and outlet for 50-psig heating/cooling jacket

Ports: One 1/2" Tri-clamp vacuum port and two 1/2" Tri-clamp charge ports each supplied with Viton gaskets & solid stainless steel end caps.

One-gallon working capacity mix vessel. Larger sizes up to 3 gallons are available.

Vessel cover mates with 8" Tri-clamp vessel opening. Cover includes mechanical seal.

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