

R3000 Reformer: Dry Ice Pellet-to-Slice

Superior slice production in a minimal footprint

KEY BENEFITS

Operational & Maintenance

- Best output to footprint ratio
- 24/7 production capable
- Easily integrated with a pelletizer
- Minimal energy consumption

SureFlow System

- Uses pellets or nuggets
- Superior slice quality with <2% breakage
- Weighing within +/- 50g of specification

Quick Change Press Heads

- Change dimension of press in <10 minutes
- Vary slice weights at the touch of a button

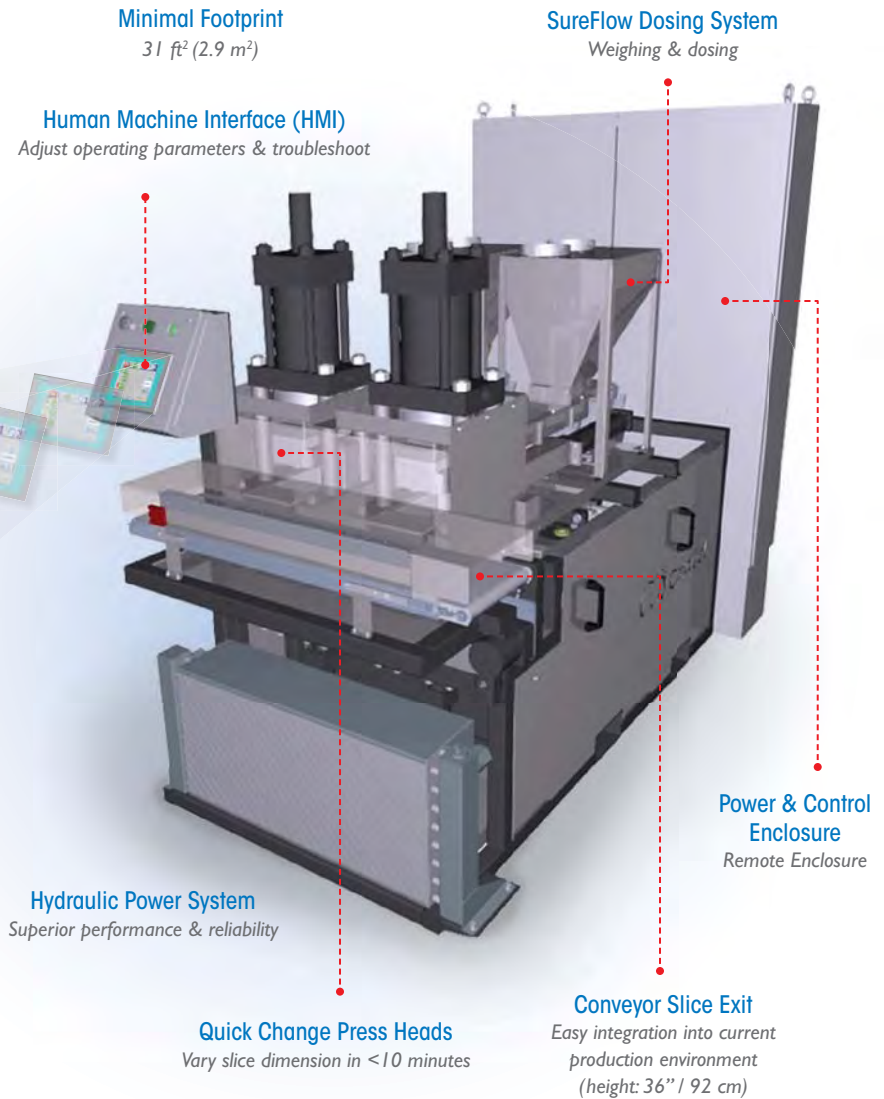


HMI Touch Screen

- Full diagnostic capability
- Vary slice thickness (3/4" up to 2" or 18 up to 50 mm)
- Tune critical parameters (i.e. pressure & cycle time)
- Remote diagnostics ready (i.e. Siemens S7 PLC with PROFIBUS communication)

Reforming pellets into slices reduces dry ice consumable cost and is safer for the operator compared to traditional block cutting processes. The pellet-to-slice reforming process eliminates hazards from cutting block and reduces CO₂ sublimation loss by ~80% – producing less CO₂ “smoke.”

Cold Jet’s R3000 Pellet-to-Slice Reformer is fully automated, with flexibility to reform 0.12” to 0.6” (3 mm to 16 mm) dry ice pellets or nuggets into 5” x 8” x 3/4” (125 x 210 x 25 mm) slices. Combine with the P3000 Pelletizer to produce and reform on demand up to 950 slices an hour of high density pellets or nuggets into slices.



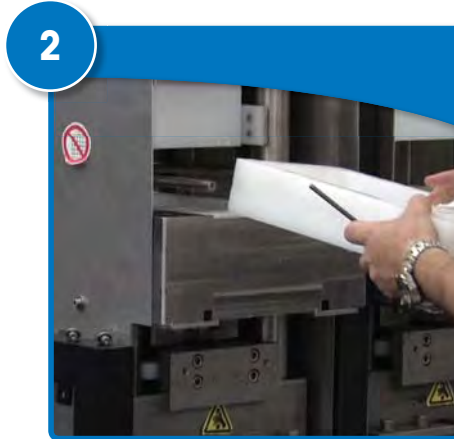
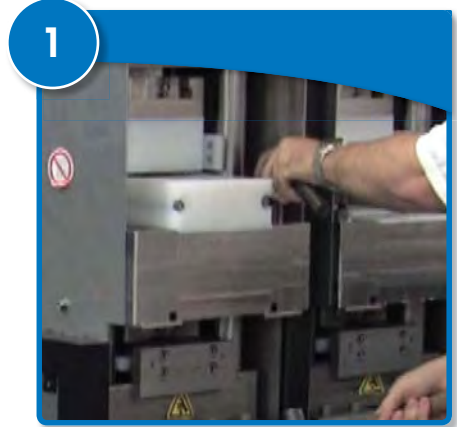
DIMENSIONS	WEIGHT	POWER	HYDRAULICS	NOISE
48" x 93" x 76" (122 x 236 x 193 cm)	4,500 lbs (2,040 kg)	380/415 or 460/480 VAC 3-phase 50/60Hz	15 kW motor pump 26 gallons/min (100 L / min)	Under 80 dBA (at 6.5 feet / 2 meters)

Proprietary User-Friendly Design

Vary slice dimensions in under 10 minutes

Simple Assembly / Disassembly of Press Heads

1. Tapered Pins
2. Dry Ice Dosing Shuttle
3. Press Piston Assembly
4. Press Piston Guide
5. Press Head Front Block
6. Ejection Piston Spacer
7. Press with Ejection Piston Assembly



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