



DRY ICE PELLET-TO-SLICE SYSTEM

R500H REFORMER



FROM START-UP
TO SCALE-UP:
OUR REFORMER
ADAPTS

MACHINE DIMENSIONS

Length x Width x Height:
77" (1956 mm) x 59" (1500 mm) x 80" (2032 mm)
Weight: 4630 lb (2100 kg)
**Includes Hydraulic Oil*

POWER SPECIFICATIONS

3 x 480V AC / 60Hz
(3 x 400V AC / 50Hz)
Imax: 63A

Solidly Grounded Wye Source
(TN-S Earthing System)

RATED POWER

20.0kW / 26.8 Hp @ 3 x 480V AC
(17,3kW / 22,8 Hp @ 3 x 400V AC)

SLICE FORMAT OPTIONS

SINGLE SLICE PRESS HEAD
250 x 125 mm (10" x 5")
max. thickness 70 mm (2.8")

210 x 125 mm (8" x 5")
max. thickness 70 mm (2.8")

150 x 150 mm (6" x 6")
max. thickness 90 mm (3.5")

DUAL SLICE PRESS HEAD
125 x 125 mm (5" x 5")
max. thickness 50mm (2.0")

TRIPLE SLICE PRESS HEAD
125 x 105 mm (5" x 4")
max. thickness 50mm (2.0")

138 x 60 mm (5.4" x 2.4")
max. thickness 50mm (2.0")

COMPRESSED AIR SUPPLY

87 - 145 psi (6 - 10 bar)

AIR QUALITY

ISO 8573-1, Minimum Class 3

NOISE LEVEL

Below 75 db(A)

RATED OUTPUT

Up to 500 press cycles per hour
and reform up to 1,323 lb (600 kg)
of dry ice per hour



START SMALL, SCALE BIG: DRY ICE SLICE REFORMING MADE EASY

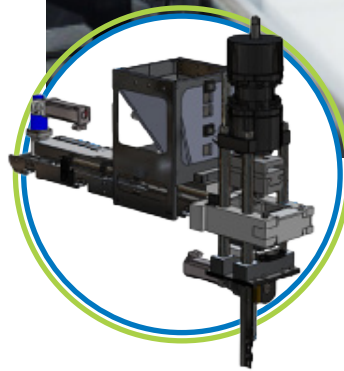
DOUBLE YOUR OUTPUT BY ADDING A SECOND PRESS HEAD WHEN NEEDED

Cold Jet's R500H pellet-to-slice reformer is a fully automated machine capable of transforming dry ice pellets or nuggets into sturdy, custom-sized slices at speeds of up to 500 cycles per hour. Designed to expand your dry ice production capabilities, the R500H can create 0.25 kg slice up to 3 kg mini blocks while maximizing output.

Leveraging a recipe program, you can easily adjust slice thickness on the fly. The Quick-Change Press Head allows for format changes in under 15 minutes, and slice thickness is continually monitored and optimized throughout production.

One key advantage of the R500H is its scalability. By simply adding a second press head, you can double your dry ice slice output to meet increasing demands.

Powered by a Beckhoff industrial PC with a 15-inch touchscreen, the R500H offers intelligent control and precise operation through servo technology. When connected to the internet, Cold Jet CONNECT provides remote support and maintenance to maximize uptime and performance.



ADD A SECOND
PRESS HEAD
& SCALE UP!

THE PERFECT SOLUTION FOR:

FOOD PROCESSING
& DELIVERY



3PLS
(THIRD PARTY LOGISTICS)



AIRLINE
CATERING



RETAIL
GROCERS



SUREFLOW DOSING
& REFORMING SYSTEM

Accepts pellets ranging from
diameter 3-10 mm (1/8"-3/8")

AUTOMATIC SLICE
THICKNESS ADJUSTMENT

Via Beckhoff Industrial
PC 15" HMI touch panel

SINGLE, DUAL & QUAD SLICE
PRESS HEAD

Designed to provide optimal capacity
with quick change adjusting slice
format in less than 15 minutes



Cold Jet. **CONNECT™**

Industry 4.0 enabled
Remote monitoring, diagnostics,
and implementation of corrective action

SERVO MOTORS &
CUSTOM-DESIGNED
CONVEYORS

Ensuring precise and fast
mold filling, slice ejecting and
automation

RECIPE PROGRAM

Enables user to set predefined
slice formats

DOUBLE THE HOURLY
OUTPUT CAPACITY OF
HIGH DENSITY SLICES

Just by adding an extra
press head when ready