

**RoseDowns**

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# ST400R

## RENDERING PRESS



**PRESSING  
EXCELLENCE**

RoseDowns is a proud part of the global Desmet organisation

The innovative design of the ST400R Screw Press is a result of RoseDowns industry experience and knowledge, which has been gained over many years as one of the world leaders in the field of oils and fats.

# ST400R

## PRESSING EXCELLENCE

### Design Basis

- High Reliability
- Maintenance Friendly
- Flexible Layout & Installation
- Value Added Options

### Key Features

- Feeder Assembly
- Worm Assembly
- Gearbox & Thrust Assembly
- Discharge End Bearing
- Stainless Steel Covers

### Press Options

- Barring Motor
- Cake Breaker
- Press Handling
- Shaft Cooling
- Feeder Layout
- Safety Inspection Kit
- Fines Brush

**ROSE**DOWNs

global solutions provider  
of presses & parts for  
oilseeds and rendering



1

**Cage**

One piece cast cage opens to 180° for ease of maintenance access.

2

**Vertical & Horizontal Feeder Unit**

Adjustable length & height for installation flexibility.

3

**Safety Inspection Kit**

External visibility, no fumes, high safety. Option of lights.

4

**Shaft Cooling**

Water cooling of the wormshaft to maintain reduced temperature of feed material. Improves product quality.

5

**Oil Outlet**

Positioned to suit mill layout

6

**Worm Assembly**

Multistage worm assembly. Low foots & long wear life, low power consumption.



**Dimensions**

**Weight**

**Installed Power\*** (Subject to application)

Length	5,400 mm	Overall Press	12,000 Kg	Main Motor	150 kW (200 HP)
Frame Width	1,000 mm	Half Cage	2,000 Kg	Base Conveyor	0.75 kW (1.0 HP)
Max Width	1,500 mm	Worm Assy	1,500 Kg	Vertical Feeder*	3.0 kW (2.0 - 4.0 HP)
Frame Height	1,500 mm	Gearbox	1,900 Kg	Horizontal Feeder	1.5-3.0 kW (2.0-4.0 HP)
Inlet Height	1,900 mm			Cake Breaker*	3.0 kW (4.0 HP)
Cage Bore	300 mm			Barring Motor*	7.5 kW (10 HP)
				Gearbox Oil Cooler*	2.2 kW (3.0 HP)

(\*) **Optional.** All dimensions are approximate. We reserve the right to alter the specification at any time without prior notice.

# DESIGN AND MANUFACTURE OF SCREW PRESSES

A BUILDING ON  
A LEGACY

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