

Seed Coating Machines - Technical Data

Machine model	★ Batch quantity (Kg.)	★ Capacity Per Hour	Automatic seed measurement & feeding	Automatic chemical dosing	Automatic batch exit	Power requirement 3ph. 440V 50Hz	Compressed air requirement
RAS-12T60	75-125	12 tons	Yes	Yes	Yes	7 HP	Yes
RAS-6060	50-75	6 tons	Yes	Yes	Yes	10 HP	Yes
RAS-3560	20-40	4 tons	Yes	Yes	Yes	10 HP	Yes
RAS-1560	10-20	2 tons	Yes	Yes	Yes	5 HP	Yes
RAS-1060-FA	2-10	1 tons	Yes	Yes	Yes	3 HP	Yes
RAS-1060-A	2-10	0.9 tons	Yes	Yes	No	3 HP	No
RAS-1060-SA	2-10	0.8 tons	No	Yes	No	2.5 HP	No
RAS-1060-M	2-10	0.6 tons	No	No	No	2 HP	No
LAB COATER	10-100 gr.	-	-	-	-	1 HP	Yes

★ Product Dependent

Optional : Variable Frequency Drive (VFD) for Main Disc speed control.

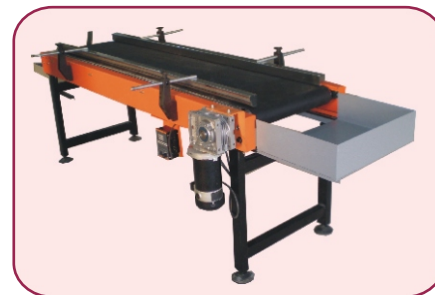
NEW PRODUCTS



PACKING SYSTEM



COTTON PKG. AUTOMATION



IJP CONVEYOR



LAB COATER



FEEDING CONVEYOR



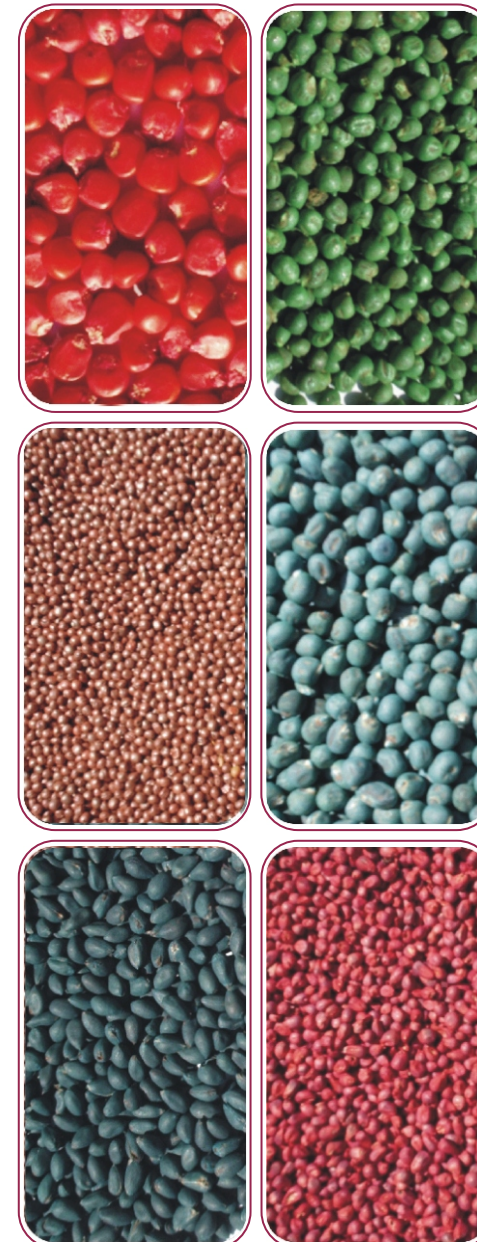
ONLINE DRYER

Authorized Dealer / Distributor :

RELIANCE AUTOMATION SOLUTIONS

Plot No. 14-170/D, APIIC Industrial Park, Behind SBH,
Patancheru, Hyderabad - 502 319, A.P. India,
Ph: +918455-240356, Tele/Fax: +918455-240357
e-mail: contact@relianceautomations.com
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High Performance Seed Coating Machines for Field Crops and Vegetable Seeds



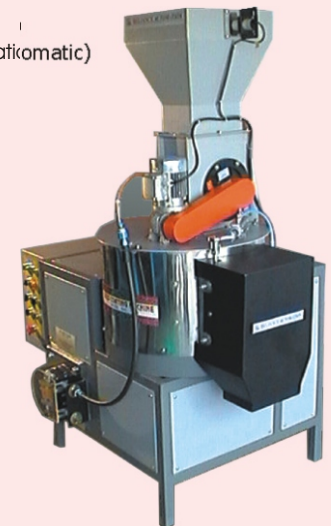
Reliance Automation offers high performance RAS brand Seed Coating Machines of following capacities to assist small to large seed processing companies. These treaters are used for coating value added seeds with costly seed treating materials like chemicals, polymers & colours.

SEED COATING MACHINES

RAS 12T60
(Fully Automatic)



RAS 1560 FA
(Fully Automatic)



RAS 1060 SA
(Semi Automatic)



RAS 1060
(Fully Automatic)



RAS 3560
(With PF)



RAS 1060 M
(Manual)



Digital Seed Feeding Unit :



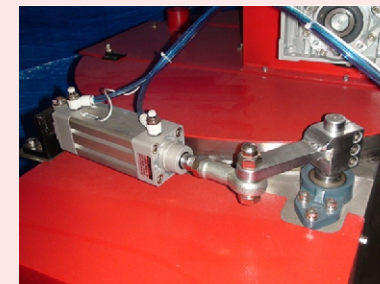
- ★ Batch size is controlled by digital load cells.
- ★ Instant batch size selection.
- ★ Pneumatic feeding system for accurate feeding.
- ★ Pneumatic dump gate.

- ★ Seed level is controlled by a high precision Sensor.
- ★ Machined housing with PU Peddler.
- ★ High precision Geared Motor for Peddler movement.

Motorised Seed Feeding Unit :



Pneumatic Dump Gate



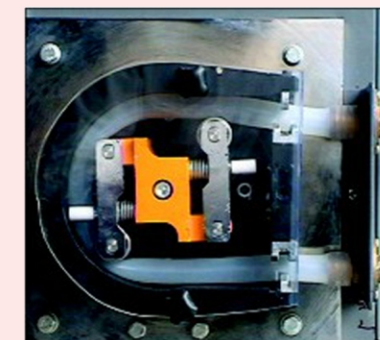
- ★ Pneumatic cylinder for opening and closing of the gate.
- ★ Perfect matching with the shell with absolutely no gaps.

- ★ Rotostat action ensures uniform coating.
- ★ Cast steel disc with PU coated top surface.
- ★ Separate drive for spinning disc (optional)
- ★ Adjustable baffles for effective treatment.
- ★ Dual seal protection for bearing housing.
- ★ VFD drive to handle variety of seeds.

High Precision Disc Assembly



Dosing Pump - DP 16



- ★ Non contact / valve less pump.
- ★ Consistent and accurate dosing.
- ★ Flow rate adjustable from;
- ★ 200 ml to 8000ml/min for DP 16
- ★ 60ml to 3000ml/min for DP 10
- ★ 20ml to 1000ml/min for DD 08
- ★ 25 to 30% saving in the chemical compared to conventional treaters.

Digital Dosing Pump - DD 08



Control Panel



- ★ Separate control panel.
- ★ Auto/Manual options.
- ★ Programmable Logic Controller (PLC).
- ★ HMI operator friendly panel to change the settings based on requirement (optional).

- ★ Motorized stirrer for slurry preparation
- ★ Continuous slurry mixing arrangement.
- ★ Tank Capacity : 400L, 250L, 150L & 50 L suitable for various models.
- ★ SS 304 Tank.

Chemical Mixing Tank

