

Roller Mills - RV Range

UP TO
4500
Kg/Hour

Chilled Iron Rolls (RV420 model only):

Because the rolls are the working surfaces of any roller mill, extra money spent here on quality will pay you back big dividends. Again, with the exception of the small light duty roller mills, all Alvan Blanch rolls are made from chilled cast iron and are solid. The properties of chilled cast iron are high hardness coupled with high compressive strength. The resulting combination is very resistant to wear.



Options:

Double Roll Drive: Recommended for use on maize, beans etc. and consists of a pair of gears - can be ordered with the machine or can be very easily self-fitted retrospectively.

Probe switch: Detects when the hopper is empty and shuts the mill down after a preset time delay.

Magnets: Two high performance bar type magnets conveniently located in feed hopper - strongly recommended for protection from ferrous foreign objects (which can cause damage to roll surface or injuries to livestock).

Mixer Frame: To position mill onto Alvan Blanch mixer.

Support Stand: For independent operation with side chute.

PTO Drive/Static Stand: Available on RV280 & RV420 models

Totally Portable Mill Package: PTO driven mill on extra heavy duty frame with skid base, 3 point linkage mounts and fork lift points.

Complementary feed hopper option for above package - to suit telehandler loading - 1 or 2 tonne capacity. Can be retrofitted.

AB also offer the RX range of industrial Roller Mills up to 10 tonnes/hr

SPECIFICATIONS

| Model | Drive | | Output (kg/hr) | Roll dimensions | Machine dimensions |
|-------|-------|------|------------------------|------------------------|--------------------|
| | (kW) | (hp) | Flat - lightly cracked | (diameter x width)(mm) | (mm) |
| RV140 | 4 | 5.5 | 500 - 1100 | 355 x 140 | 1380 x 690 x 590 |
| RV140 | 5.5 | 7.5 | 600 - 1350 | 355 x 140 | 1380 x 690 x 590 |
| RV280 | 7.5 | 10 | 950 - 2100 | 355 x 280 | 1380 x 690 x 740 |
| RV280 | 11 | 15 | 1200 - 2700 | 355 x 280 | 1380 x 690 x 740 |
| RV420 | 15 | 20.6 | 2000 - 4500 | 355 x 420 | 1380 x 690 x 870 |

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Roller Mills - RV Range

A new range of high performance roller mills - offering industrial duty at agricultural prices



- High performance on all cereals/pulses
- Quick and easy roll setting adjustment
- Large diameter rolls - extra contact
- Capable of flat rolling
- Extra robust construction
- Low maintenance, in-built reliability
- Much reduced noise and vibration
- Enclosed body for dust suppression & safety
- Capacity range from 500 - 4500 kg/hr
- Static, mobile and tractor mounted versions available

Roller Mills - RV Range



Model RV 420 - T
Direct drive pto with fixed stand and side discharge screw.

Application:

Alvan Blanch RV range roller mills are suitable for cereal crops and, with rapid adjustment of roller setting, can produce material at any degree of crush from bruised oats for horses to flat rolled or lightly cracked barley for cattle rations.

The units can be supplied independently - on a fixed frame as a totally portable package and also with an Alvan Blanch mixer to form a complete Mill/Mix unit.

Construction:

RV mills are of a very strong unitary construction with main body sections continuous welded in 10 mm plate. The large diameter (355 mm/14") rolls, one grooved and one plain, are machined from quality cast iron, precision balanced and mounted on 60 mm (2 1/4") shaft and bearing assemblies - with dual coil spring protection from foreign objects.



Model RV 420
With feed hopper and auger.

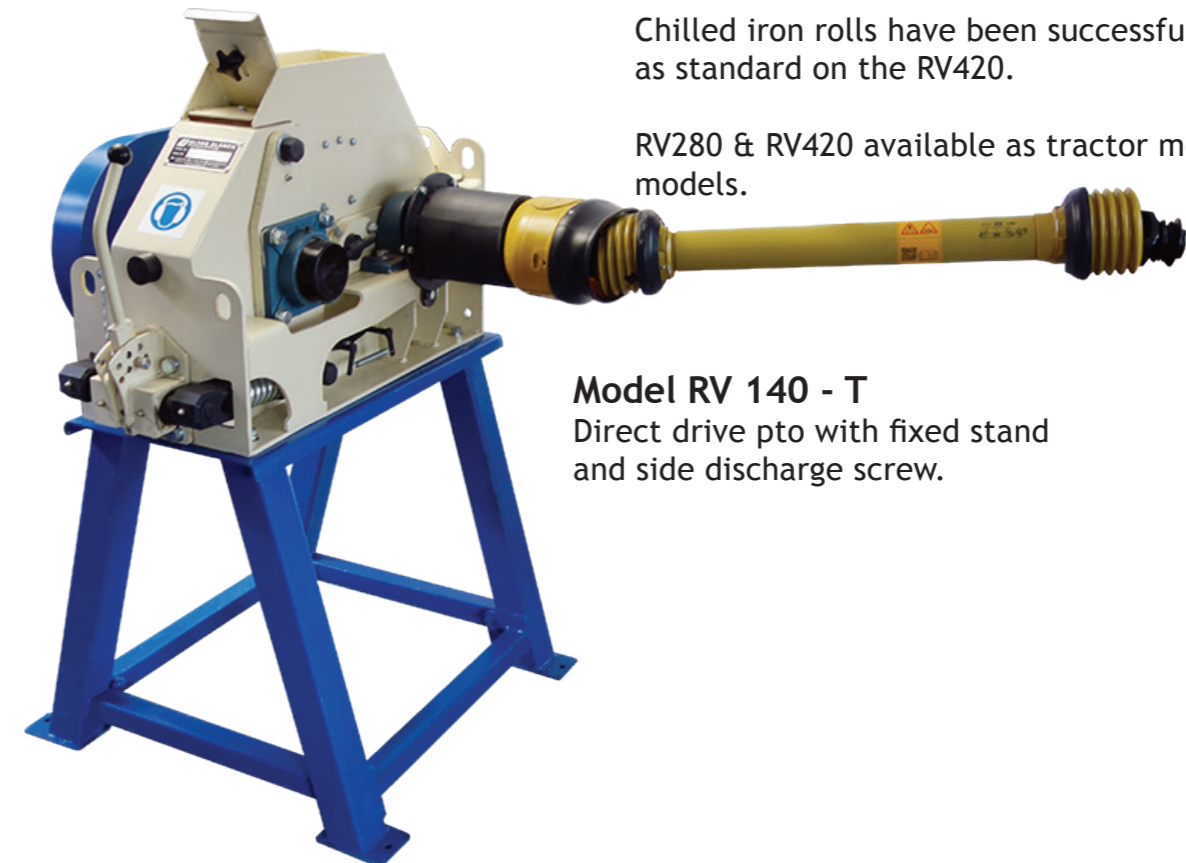
Typical Mill/Mixer installation
RV140 Roller Mill on M28 Meal Mixer



Model RV 140
With electrical motor.



Model RV 280 - T
With direct drive pto.



Model RV 140 - T
Direct drive pto with fixed stand and side discharge screw.

Operation:

Mills are supplied fully assembled and ready to work. Roll setting is quick and simple with over-centre lever and eight different locking positions - offering a full range of crush levels on all crops.

Feed rate is easily adjusted using the sliding gate, referring to the ammeter provided to optimise motor loading.

Roll scrapers can be locked into engaged position - or can be used intermittently, as required.

The spring rolls apply optimum pressure to allow flat rolling whilst still providing security when stones etc pass through the machine (the roll gap increases momentarily).

The unique feed hopper design provides maximum crop exposure to the drive roll - avoiding feed blockages from trash. Anti-intrusion bars prevent large stones etc. from going through the mill and enhance operator safety.

Drive guards are easily removable and universal motor mounts are used.

The much greater mass of the solid rolls mean lower vibration and enhanced performance. Particularly on flaked products - roll life is greatly extended.

Chilled iron rolls have been successfully introduced as standard on the RV420.

RV280 & RV420 available as tractor mounted models.