

SPECIFICATIONS



Chilled rolls

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.

Hardness varies, but it tens t range from 48 to 54 Rockwell C. Harder rolls are available. Chilled cast iron is not machinable in the ordinary sense, due to its hardness. It is commonly referred to as "nearly diamond hard" or as "hard as a file".

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: 2 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).

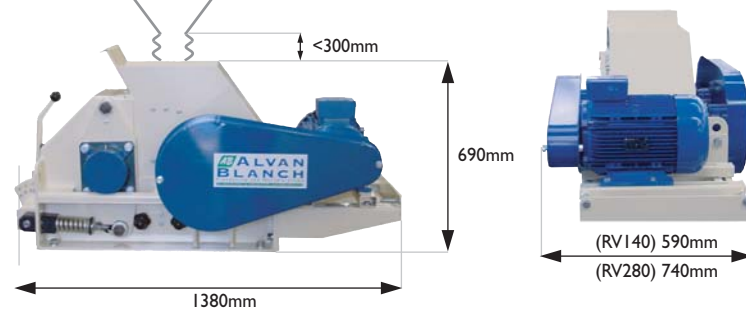
Mixer Frame: To position mill onto Alvan Blanch mixer.

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) Flat - Lightly cracked	Roll Dimensions diameter x width (mm)	Machine dimensions (mm)
	(kW)	(hp)			
RV140	4	5.5	500 - 1100	355 x 140	
RV140	5.5	7.5	600 - 1350	355 x 140	
RV280	7.5	10	950 - 2100	355 x 280	
RV280	11	15	1200 - 2700	355 x 280	
RV420	15	20.6	2000 - 4500	355 x 420	

(Outputs based on barley at 15% moisture content)

In accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers. All goods supplied according to our published terms and conditions of sale (copies on application)



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ROLLER MILLS - RV RANGE



- AB** High performance on all cereals/pulses
- AB** Extra robust construction
- AB** Quick and easy roll setting adjustment
- AB** Low maintenance, in-built reliability
- AB** Roll feed avoids blocking by trash
- AB** Much reduced noise and vibration
- AB** Large diameter rolls - extra contact
- AB** Enclosed body for dust suppression & safety
- AB** Capable of flat rolling
- AB** Capacity range from 500 - 5000kg/hr
- AB** Static, mobile and tractor mounted versions available

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

RV Roller Mill Range - from Alvan Blanch

New Model RV 420 - T

Direct drive pto with fixed stand and side discharge screw



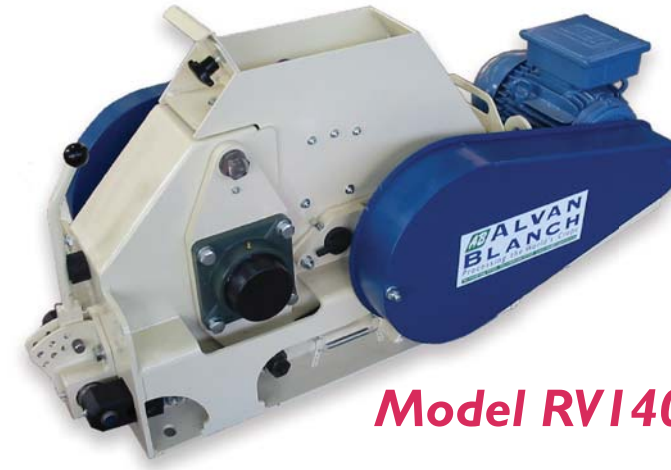
OPERATION: Mills are supplied fully assembled and ready to work.

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)



Model RV140

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.

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.

Solid circle ion rolls have been successfully introduced as standard on the RV 420 and as an option on the RV 140 and RV280

RV280 & 420 available as tractor mounted models.

Typical Mill/Mixer installation

RV140 Roller Mill on M28 Meal Mixer



3D computer generated image Static RV480 with feed hopper and auger

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 - also with an Alvan Blanch Mixer to form a complete Mill/Mix unit.



Model RV280 - T

Direct drive pto with fixed stand. Shown with double drive option



Typical installation