

s.r.o. CHRUDIM

Technology for feed production

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HAMMER MILLS

Horizontal crushing mill HM

The machine is designed for shredding and crushing of materials with higher H_2O ratio. The material is crushed by strikes of crushing bodies with high peripheral speed and impacts on the internal surface of the enclosure. Material with granulation corresponding to the screen basket hole diameter falls through or is strained for further technological processing.

Туре	Efficiency	Power
HM 22	1,0–1,5 t/h	22,0 kW
HM 37	2,0–2,5 t/h	37,0 kW



Turbo mill TM

The machine is designed for transport of processed materials via underpressure pipeline branch into the grinding space where the ground material is crushed by strikes of crushing bodies with high peripheral speed and discharged through screen shell via pressure pipeline branch into the container.

Туре	Efficiency	Power
TM 11	1,0 t/h	11,0 kW
TM 15	1,5 t/h	15,0 kW
TM 18,5	2,0 t/h	18,5 kW



Vertical mill VM

The machine is designed for milling of cereals determined. Material is milled by beaters in a high speed rotated as well as by friction between cover of sieve and raw materials.

The machine is determined for montage in technologic plants, where is made the fodder mixtures for animals. There are such equipment as a silo for raw material and silo for milled material, also conveyers and the machines for processing of loose materials, in these plants. The mill is possible to use also for milling of bones in rendering plants, for milling of wooden wastes in wooden industry and some lumpy raw materials in various industrial plants.

Туре	Efficiency	Power
VM 3	0,3–0,4 t/h	3,0 kW
VM 4	0,6–0,8 t/h	4,0 kW
VM 5,5	0,8–1,0 t/h	5,5 kW
VM 7,5	1,0–1,2 t/h	7,5 kW
VM 11	1,5–2,0 t/h	11,0 kW
VM 15	2,0–3,0 t/h	15,0 kW
VM 18,5	2,5–3,5 t/h	18,5 kW
VM 22	3,2–4,0 t/h	22,0 kW
VM 37	4,0–6,0 t/h	37,0 kW
VM 45	6,0–8,0 t/h	45,0 kW
VM 55	7,0–10,0 t/h	55,0 kW
VM 75	9,0–13,0 t/h	75,0 kW
VM 90	10,0–15,0 t/h	90,0 kW







MIXERS

Power

9,7 kW

13,2 kW

24,2 kW / 32,2 kW

Double screw conveyor DVS 250

The machine is designed for horizontal transport of bulk non-abrasive materials. The material is transported by means of two worm shafts with progressive pitch rotating in a worm gear box in opposite directions with simultaneous mixing from inlet to outlet.

Tipping mixer PM

The machine is designed for mixing of compound feedingstuffs with a substantial part constituting of corn meals, mill products, mineral feed additives, and seed cake meals.

500 kg

1000 kg

2000 kg

PM 130 - 500

PM 130 - 1000

PM 130 - 2000

Efficiency	Power
40 m³/h	3,0–5,5 kW





Vertical mixer STM

The machine is designed for mixing dry loose mixtures and similar materials.

When deciding on using the Machine with particular technological equipment and in particular premises, the issues of usage of the Machine and solution of transport routes according to the given specific requirements must be consulted with the machine supplier

Туре	Capacity	Power
STM 0,7	0,5 m ³	1,5 kW
STM 1	1,0 m ³	1,5 kW
STM 1,5	1,0 m ³	2,2 kW
STM 4,5	4,5 m ³	5,5 kW
STM 8	8,0 m ³	3,0 kW





CONVEYORS

Chain conveyor TR

The machine is designed for transport of dry bulk non-abrasive materials from intake baskets and containers in horizontal direction. Material is brought to the active part of the through via side inlets or an inlet in the trough cover. The flights carry the material at certain height in the bottom part of the trough towards the outlet. From there, the material continues to further processing.

Туре	Power
TR 160	2,2–7,5 kW
TR 260	3,0–15,0 kW
TR 360	4,0–22,0 kW



Screw conveyor DS, TS

The machine is designed for transport of bulk non-abrasive materials. The material is transported by means of a helix welded to a central shaft rotating in a worm gear box in the shape of a tube or trough.

Туре	Efficiency	Power
DS 100	5 m³/h	0,55–1,5 kW
DS 130	9 m³/h	0,75–3,0 kW
DS 150	15 m³/h	0,75–3,0 kW
DS 200	28 m³/h	1,1–4,0 kW
DS 250	45 m³/h	1,1–5,5 kW
DS 300	52 m³/h	2,2–7,5 kW
DS 350	70 m³/h	2,2–11,0 kW
DS 400	90 m³/h	2,2–11,0 kW
Туре	Efficiency	Power
TS 60	1 m³/h	0,37–1,1 kW
TS 100	4 m³/h	0,55–1,5 kW
TS 130	7 m³/h	0,75–3,0 kW
TS 150	11 m³/h	0,75–3,0 kW
TS 200	21 m³/h	1,1–4,0 kW
TS 250	35 m³/h	1,1–5,5 kW
TS 300	45 m³/h	2,2–7,5 kW
TS 350	60 m³/h	2,2–11,0 kW
TS 400	80 m³/h	2,2–11,0 kW

Centrifugal elevator EO

The machine is designed for transport of dry bulk non-abrasive materials in vertical direction. The material is transported by means of scoops (buckets) fastened to a PVC conveyer belt.

Туре	Efficiency	Power
EO 7	7 m³/h	0,55–2,2 kW
EO 20	20 m³/h	1,1–4,0 kW
EO 50	50 m³/h	2,2–7,5 kW
EO 100	100 m³/h	3,0–7,5 kW









SEPARATORS / CLEANERS

PR 750

PR 1000

Drum separator BT 630

The machine is designed for separation of dry loose grains to two fractions. Separation to two fractions is carried out by means of rotary cylindrical (drum) screen.

Screening machine PR 750, PR 1000

The machine is designed for screening difficult to pour materials, in particular meat-and-bone meal, to two fractions in a rotary sieve drum. Therefore, it cannot be used for screening other materials.

Efficiency	Power
4–20 m ³ /h	0,37 kW





2–3 t/h

6 t/h

Cereal separator TO 7/25

The machine is designed for separation of grains from impurities and contaminants to three fractions. Separation to fractions is carried out by means of flat screens.

Efficiency		Power
sorting	5–9,3 m³/h	00.05.141/
pre-cleaning	5–20 m³/h	2 X U,25 KVV



Vibrating screen separator T

The machine is designed for separation of dry loose compound feedingstuffs and pre-cooled granules up to \emptyset 5 mm to two up to four fractions. Separation to fractions is carried out by means of flat screens.

Туре	Efficiency	Power
Т 5	5–10 m³/h	0,25 kW
T 10	5–20 m³/h	2 × 0,25 kW
T 20	15–50 m ³ /h	2 × 0,27 kW





SILOS AND STORAGE

BIG-BAG station

The station is designed for filling or emptying bulk non-abrasive materials into bags or BIG-BAG. The stations are adapted to all types of bags weighing up to 1500 kg. Dosage material conveyor is performed: screw conveyor / auger, centrigugal bucket elevator.

Max. weight of BIG-BAG	Max. load construction of station
1500 kg	1500 kg



Underpass bin ZE

The bins are designed both for indoor and outdoor to. The volume of stored material can be selected according to customer requirements, at least 20 cubic meters up to 75 cubic meters per tray. For technological units manufactories compound animals, harvest lines and subsequent technological equipment for processing bulk materials.



Storage silo ZS

The bins are designed for storage of grain and dry bulk non-abrasive materials. For technological units manufactories compound animals, harvest lines and subsequent technological equipment for processing bulk materials.

Cyndrical silo

The bins are designed for storage of grain and dry bulk non-abrasive materials. For technological units manufactories compound animals, harvest lines and subsequent technological equipment for processing bulk materials.







MAGNETIC SEPARATORS

Plate magnet MD

The machine is designed for separation of ferromagnetic contaminants from passing loose materials (grain, grists, and similar).

Туре	Efficiency for grain	Efficiency for bulk mixtures
MD 1	20 m ³ /h	18 m³/h
MD 2	45 m ³ /h	30 m³/h
MD 2 × 2	100 m³/h	60 m ³ /h

Grate magnet MR

The machine is designed for separation of ferromagnetic contaminants from passing loose materials (grain, grists, and similar).

Туре	Efficiency
MR 1	20 m ³ /h
MR 2	30 m ³ /h
MR 2 × 2	55 m ³ /h
MR 3	25 m ³ /h
MR 4	10 m ³ /h
MR 5	40 m ³ /h
MR 6	40 m ³ /h
MR 4 MR 5 MR 6	10 m³/h 40 m³/h 40 m³/h





REFERENCE









ELEMENTS FOR DOWNPIPES

Slide gate with control Hr, He, Hp

The machine is designed for control (Open/Closed) of downflow transport routes, or for discharging loose materials (products), from containers, conveyors, and silos in feed mills and grain silos. The slide gate is not intended for feeding materials!

- manual control
- electrical control
- pneumatic control

Flap with control Kr, Ke, Kp

The machine is designed for distribution of material technological flow in downstream transport routes of a line from containers, conveyors, and silos in feed mills and grain silos. The flap is not intended for feeding materials!

manual control

- electrical control
- pneumatic control





REFERENCE









SMALL FEED MILL

Small feed mill MVKS-T

Small feed mill MVKS-T is suitable for small to medium feed mixture manufacturers, in plants where base materials (cereals) for feed production are stored in bulk on floor.

Туре	Efficiency	Power
MVKS-T 500	0,5 t/h	14,4 kW
MVKS-T 1000	1,0 t/h	19,4 kW
MVKS-T 1500	1,5 t/h	22,2 kW

Small feed mill MVKS-V

Small feed mill MVKS-V is suitable for small to medium feed mixture manufacturers, in plants where base materials (cereals) for feed production are stored in bins or silos.

Туре	Efficiency	Power
MVKS-V 500	0,5 t/h	15,2 kW
MVKS-V 1000	1,0 t/h	18,7 kW
MVKS-V 1500	1,5 t/h	22,7 kW
MVKS-V 2000	2,0 t/h	26,2 kW





Trough mixer MVM

The machine is designed for mixing dry loose mixtures and similar materials. Use for other materials has to be tested first.

Туре	Efficiency	Power
MVM 1,5	0,3–0,4 t/h	4,0 + 1,1 kW
MVM 5,5	0,4–0,5 t/h	5,5 + 1,1 kW
MVM 7,5	0,5–0,6 t/h	7,5 + 1,1 kW
MVM 15	0,5–0,75 t/h	15,0 + 3,0 kW



Feed production line PP 1500

The feed production line is designed as a system of three square bunkers for cereals, which are regularly supplied by front-end loader from the floor storage. The raw materials are weighed from these bunkers into the strain-gauge balance. The weighed charge is then transported into the milling line, which consists of the vertical hammer mill VM 15 with automatic dosing of ground stock in the milling chamber. Over the hammer mill there is a magnetic separator, by means of which ferromagnetic impurities are removed from the material.





OTHER MACHINES

Cyclone separator

Cyclone separators (cyclones) are determined for the separation of solid particles from extracted air particles

- Cyclone separator Ø 630 mm
- Cyclone separator Ø 630 mm
 double
- Cyclone separator Ø 800 mm
- Cyclone separator Ø 800 mm
 double
- Cyclone separator Ø 1000 mm
- Cyclone separator Ø 1000 mm
 double



Inlet hopper

Inlet hopper (basket) used for receiving bulk materials (commodities) in post-harvest lines and feed mills.

- crossing
- half crossing
- non crossing
- Iow-capacity hopper



Steaming mixer MN

The machine is designed for moistening/steaming loose or rough-ground mixtures with simultaneous mixing, before granulation.

Туре	Efficiency	Power
MN 02	2,0–3,0 t/h	1,5 kW
MN 412	6,5 t/h	7,5 kW

Feeding device PD 260

The machine is designed for gradual feeding of loose materials from containers and silos in feed mills and at grain silos and similarly deposited loose materials by constant speed.

Efficiency	Power
6,5 t/h	7,5 kW







Tensometric scales

The machine is designed for weighing doses of one or more loose materials for subsequent blending or other processing.

- dosing scales
- flow scakes
- bagging scales
- hopper scales



Bread shredder TCH 300

The machine is designed for shredding stale bread discarded from the food sale network to the requisite granulation to allow further processing in technological lines of alcohol distilleries and/or agricultural holdings.

Efficiency	Power
0,3 t/h	4 kW



HELIX

Augers and spirals

A wide variety of spirals enables the production of the screw conveyors and feeders.

- light series
- heavy series
- stainless series
- abrasive
- hardox
- from segments
- atypical







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