



HUM CRUSHER, a product of advanced technology;
500 to 1250 ton/day oilseed processing capacity
Ease of use and maximum safety
Long lifetime with low operational cost
Lower maintenance and maintenance cost

Easy adjustment of roll gap with screw jack. Long operating life of bearings. Robust monoblock frame. New design feeder with magnet separator and observation points. Special openings on both sides for sampling Single or Double Stage Crusher for all seeds with the best automation systems, everything is under your control.

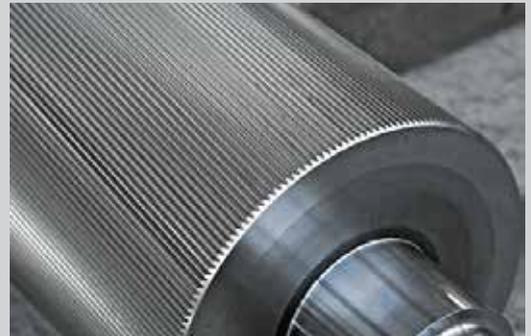
CRUSHER	Single Stage *			Double Stage **		
Type	KS 313	KS 416	KS 421	KD 313	KD 416	KD 421
Capacity (Ton/24 hours)	500	1000	1250	500	1000	1250
Roll Quantity	2	2	2	2 x 2	2 x 2	2 x 2
Roll Dimensions (mm)	300 x 1300	400 x 1600	400 x 2100	300 x 1300	400 x 1600	400 x 2100
Main Motor Power (kW)	22	30	45	2 x 22	2 x 30	2 x 45
Weight (kg)	4.130	6350	7.350	6.845	10.500	12.000
Length-Width-Height (mm)	2430 x 1800 x 1780	2600 x 1900 x 1850	3100 x 1900 x 1850	2530 x 1850 x 2400	2600 x 1900 x 1850	3100 x 1900 x 1850

* Recommended for Soybean Warm Dehulling Process (HWDP); soybean will go through this crusher twice.

** Recommended for Soybean Cold Dehulling Process (HCDP)

FEATURES

- A newly developed screw jack system that makes it easy to adjust the gap between rolls and equally brings the rolls together. (*1)
- The rollers in HUM crushers could be removed and assembled in one direction therefore the machines can be installed beside walls.
- Electric consumption is very low compared to its competitors.
- Machines are fabricated from strong steel plates and profiles.
- There are leading plates ensuring entry of seed between rollers and there are side plates preventing escape of seed to shaft bearings.
- Surfaces of rollers are hardened thus high strength is attained. Bodies are ductile, firm and shock absorbing so the best conditions are ensured.
- There are plates leading the crushed seed to exit.
- Amount of the material fed to the rollers is adjusted by level control mechanism
- When a large piece enters between feeder rollers, the switch controllers at pistons warn the valves and the scraper roller permits passage of the piece between pre-defined bottom and top limits.
- Two screws operating in reverse directions in the feeding bunker where the seeds are fed to the rollers ensure continuous circulation of seeds and prevent jamming. Also it provides feeding of seeds along the entire roller.
- With the help of chain stretching mechanism, gears of the feeding spirals and the feeding roller are perfectly engaged and motor power is used in the most efficient way on both shafts.
- Scrapers guarantee that roller surfaces are kept perfectly clean during operation.
- Rollers are thread cut. Thus the moving roller operates full parallel to the fixed roller. Life time of bearing is increased and homogenous product is produced.
- Roller bearings of the rollers have long life time and mounted on synthetic materials with anti-abrasive property. Bearings allow single direction thermal elongation and shrinkage.
- Inspection and maintenance of the machines could be performed fast and safely through the easily opening lids. Product sample could be easily taken through a special window at bottom and front.
- The desired capacity and productivity can be attained with our machines of the advanced technology only.



REFERENCES

- AVES - Turkey
- Noble - South Africa
- Trakya Birlik - Turkey
- Prodex - Russia
- Cargill/ Turyağ - Turkey
- Bunge - Turkey
- Altınyağ - Turkey
- Doğa Gıda - Turkey
- El Shark - Egypt
- Efko - Russia

HUM Engineering
Istanbul - Turkey

T: +90 216 456 37 03 M: hum@hum.com.tr



HUM Workshop
Izmir - Turkey

T: +90 232 252 29 22 M: makine@hum.com.tr

www.hum.com.tr



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