

OIL SCREW PRESS

NYP 05 - 15 - 30 - 45 - 60 - 90 Model



25 to 900 ton/day oilseed processing capacity
Hard Faced Wear Parts & Spare Parts for Longer Lifetime
Low noise & High Performance with Planetary Gearbox
Simple Operation & Low Maintenance
Competitive prices & Short delivery time & Long service life
With the best automation systems, everything is under your control

HUM Oil Screw Presses have been developed to meet the demands by using the most advanced technology and engineering:

HUM Pre-Presses are designed for the next solvent extraction stage or as a prior stage for the secondary pressing operations.

HUM Full Presses are designed to yield as much as oil with a single finish pressing, and are used in places where there is no solvent extraction.

HUM Cold Presses are designed for pressing the oilseed in a single stage at low temperature without pre-heating.

APPLICATION		Full Press					Pre-Press					
MODEL		NYP 05F	NYP 15F	NYP 30F	NYP 45F	NYP 60F	NYP 05	NYP 15	NYP 30	NYP 45	NYP 60	NYP 90
Capacity (ton/day)	Sunflower, Canola	6-10	25-35	40-60	60-80	80-100	30-50	130-150	250-300	350-450	500-600	700-900
	Soy, Cottonseed	15-20	50-60	80-100	120-150	160-180						
Oil content in cake (%)		6-8	6-8	6-8	6-8	6-8	18-20	18-20	18-20	18-20	18-20	18-20
Main motor power (kW)		30-37,5	75-90	160-185	250-315	315-355	55	110	250	400	500	800

**Values may vary depending on product type or condition.*

FEATURES

- **PLANETARY REDUCER** provides silent operation, infinite lifetime and high efficiency with oil cooler system which has low oil consumption, operated with cooled oil circulation. Reducers that are used in presses and cookers are planetarytype reducers which guarantee the most efficient, silent and non-vibrating operation in a compact volume.
- **HARD FACED WEAR PARTS** and spare parts consist of unique welding process, multi-layer hard facing, pure alloy on the final surface, high abrasion and corrosion resistance. The wear parts of screw presses (worms, collars, cage bars) are under the guarantee of HUM for 15-18 months in operation time.



and manufactured from materials with the longest life span. Surfaces are upgraded to high hardness value in order to have optimum lifetime.

- **FREQUENCY CONTROLLED FEEDING SCREW**; speed adjustment of feeding screws is controlled by frequency and they are designed to obtain maximum feeding according to features of the raw material. Revolution of the feeding screw is controlled with frequency adjustment, thus maximum operation capacity of the press is ensured. Feeding screw is driven by a reducer motor.

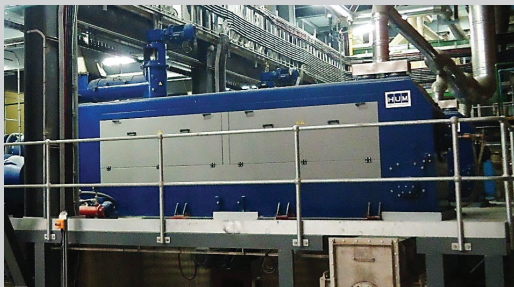
- **MAIN SHAFT** provides the best efficiency by cooling with the continuous water circulation system. The press main shaft is drilled and equipped with a stainless steel pipe and a special sealed cooling system to provide continuous cooling water circulation.
- **HYDRAULIC CAGE OPENING SYSTEM**; when cage is needed to be opened or closed, the system opens and closes the cages very easily with the help of a strong telescopic piston and an electric hydraulic power unit.
- **CAKE BREAKER**, Cake breaker (optional) is mounted on the press outlet section and it is designed to break the cake into smaller pieces, therefore it provides convenience for the transportation and capacity. Moreover it helps the pre-extraction cake crusher work more efficient and provides uniform size for cake pieces.



- **WORM & COLLAR** are made of special alloy, strengthened by heat treatment or custom manufactured with armor as an alternative. Worms are designed to receive maximum yield from the presses and they have been specially processed

Overall Dimensions	NYP 05	NYP 15	NYP 30	NYP 45	NYP 60	NYP 90
Lenght (mm)	3600	5000	5000	5900	7200	8500
Width (mm)	1000	1100	1100	1200	1400	1500
Height (mm)	1350	1600	1600	1600	1700	1800
Inlet Height (mm)	1800	2050	2050	2050	2200	2300
Weight (kg) *	5.000	11.300	12.400	16.000	25.000	28.000

* Main motor not included.



REFERENCES

- Mitterer GmbH - Austria
- Bonoil - Bulgaria
- Kimia Dane - Iran
- Garant - Ukraine
- Tiryaki - Turkey
- Klas Olio - Bulgaria
- Sodrugestvo - Turkey
- Mapak - Pakistan
- Xorazm - Uzbekistan
- Zvezda - Bulgaria
- Transoil - Moldova
- Seğer Tarım - Turkey
- Eximagrokom - Ukraine
- Noble - South Africa
- Efko - Russia
- Too Seynar - Kazakhstan



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