



SPIDER HRS SERIES

WEIMA SHREDDER FOR SHREDDING PLASTICS
WITH MODULAR PRESSING SYSTEM

The new models of the Spider HRS series have a newly developed, modular shredder system. The single shaft shredders are fitted with a pressing system most suitable for the special requirements of the respective flow of material to be shredded such as shredding of lumps, foils, hollow articles, etc.

► www.weima.com





SPIDER HRS SERIES ▶ The basic version is giving you flexibility in all directions. The system can be converted at any time – according to your requirements.

SPIDER HRS SERIES. TODAY, HARD PLASTICS, TOMORROW, FOILS, THE DAY AFTER TOMORROW ... THE INNOVATIVE MODULAR CONSTRUCTION OF THE SPIDER HRS SERIES OFFERS YOU THE HIGHEST FLEXIBILITY.

The innovative SPIDER HRS series is the consistent further development of the proven WLK series.

The new design convinces through its exchangeable pressing system with which you can fit the single shaft shredder individually and modularly according to your requirements.

The basic system consists of two modules: the cutting system with one rotor and robust blades of various shapes and sizes. WEIMA offers you an option of three different pressing systems – modulated precisely to the material to be shredded: the horizontal pusher is the universal solution for all plastics. The round, curved pusher is the optimal solution for foils, fibres and filaments while the sloping pusher also ideally feeds hollow articles reliably e.g. with residual fluids.

The modular pressing systems can be quickly and easily exchanged. This makes the machine suitable for processing the most varied material flows.

The SPIDER HRS series is fitted with a hydraulically liftable screen basket.

The screen surface was increased and considerably speeds up the material discharge; the individual screen elements facilitate the screen changing.

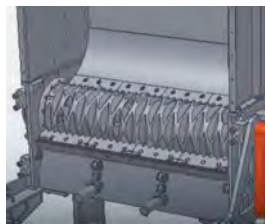
YOUR BENEFITS

- Easy exchangeable screen thanks to hydraulic closing mechanism
- 180° reversible counter blades enabling a longer service life
- Wear-reducing, roller-guided pusher prevent jamming
- Guide rails can be removed from outside and thus exchanged simply and easily
- Integrated position sensor (Position Control), visualization via panel on the machine
- Size of cutting chamber increased, e.g., for pipes (SpaceCut)
- Segmented material pusher
- No crest lines in the hopper
- Pusher higher than the rotor
- Extra massive side walls

SPIDER HRS. EXCELLENT PROPERTIES AT A GLANCE



EASY EXCHANGEABLE SCREEN ▶ The hydraulic closing mechanism facilitates this.



REVERSIBLE COUNTER BLADES ▶ Considerably increase the change interval and noticeably save costs



PUSHER ON ROLLERS ▶ Extremely reduced wear to the slider guide.



GUIDE RAILS EASILY EXCHANGEABLE ▶ Fastening that can be released from outside enables quick changing.



COMFORTABLE ▶ When changing the screen element, you will benefit from a new hydraulic closing mechanism, which characterizes the SPIDER series.

FLEXIBLE MATERIAL FEED. SPIDER HRS SERIES – the advantages of these innovative shredders are already in the product name. The system offers a high level of stability whatever the use and you can modularly select the three feed types – horizontal (H), round (R) and sloping (S). With this sophisticated system, WEIMA offers you a future-proof solution, which can be optimally adapted to your requirements – even at a later point.



HORIZONTAL MATERIAL FEED ▶ The multipurpose fitting for all kinds of hard plastics.

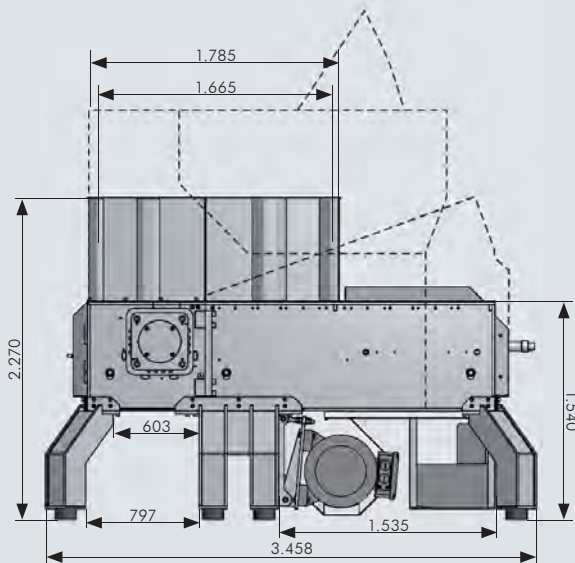


MATERIAL FEED VIA ROUND PUSHER
▶ The unbeatable design for shredding foils and filaments.

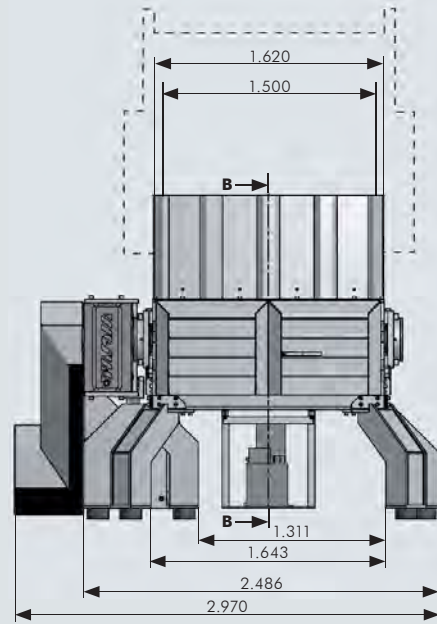


SLOPING MATERIAL FEED
▶ The convincing system for hollow articles – also with waste materials and fluids.

SPIDER HRS SERIES. SPECIFICATIONS



Illustrations: Spider 1500 H
 ---- Type R and S



Plastics



Paper



Cardboard



WEEE/
 electrical waste



Light metals



Textiles

TECHNICAL DATA for working width 1.500 mm*

| | SPIDER 1500 H | SPIDER 1500 R | SPIDER 1500 S |
|------------------------------|---------------|---------------|---------------|
| Feed opening (mm) | 1.500 × 1.600 | 1.500 × 1.660 | 1.500 × 1.600 |
| Number of blades (40 × 40)** | V rotor | 82 | 82 |
| | F rotor | 116 | 116 |
| Rotor Ø (mm) | 450 | 450 | 450 |
| Rotor speed (rpm) ca. | 115 | 115 | 115 |
| Motor output (kW) | 75/90 | 75/90 | 75/90 |
| Weight (kg) ca. | 8.000 | 10.000 | 9.000 |

STANDARD EQUIPMENT

- Patented V rotor for optimal even cutting geometry or F rotor with welded or screwed knife holders
- PLC control
- Pusher with roller guide
- Segmented pusher
- Hydraulic pusher depending on the load, controlled by a position sensor (Position Control)
- Hydraulically liftable screen basket for quick rotor access with screen change
- SuperCut for exact adjustment of the cutting gap
- Low maintenance, offset and closed rotor bearings
- SpaceCut hopper for controlled material feed

SPECIAL EQUIPMENT

- Rotor cooling
- Hydraulic oil and gearbox oil cooling
- Rotor Vautid coating
- Second counter blade
- Direct drive, water-cooled (CDW)
- Hydraulic drive with variable speed (HDW)

*) Technical data for working widths 1.000 and 2.000 mm on request.

***) Standard