

## **ABRASIVE ROLLER HULLER**

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**Delivering high yields and an optimum finish.**

**Designed for the modern pulse and grain mills**

The Abrasive ROLLER huller is designed for the efficient removal of husks from a wide range of pulses. This high capacity processing solution provides improved yields, uniform finish and optimum quality while reducing overall processing costs.

Developed exclusively for pulse processing, the ROLLER huller gives processors precise control over hulling conditions. Due to the easy setting of the grinding gap, the adjustable machine inclination and the pressure control within the peeling chamber, ROLLER huller offers high peeling efficiency, less breakage and an optimal finish. Its robust design contributes to less wear and tear and longer service life. In combination with low dust generation, this leads to improved productivity and safe and hygienic processing, an improved productivity and safe and hygienic processing is being ensured.

## High quality hulling with uniform finish.

**For a broad range of pulse varieties.**

**High yield and throughput**

The optimized feed and machine angle ensure a seamless transport of the pulses into the hulling chamber, resulting in high processing capacities and effective hulling. The hulling unit consists of four individual sections and a new screen assembly. Both contribute to an even hulling gap and a constant peeling performance.

**Maximum service life**

Abrasive ROLLER huller is designed to minimize damage caused by abrasive by-products that occur during hulling. This improves the service life of the machine and ensures maximum uptime.

**Hygienic and easy operation**

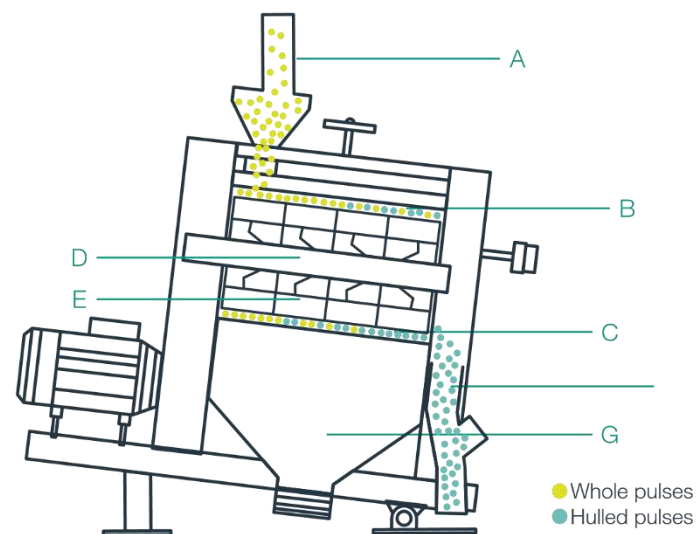
Abrasive ROLLER huller is designed without dead spots for product deposits and thus ensures hygienic operation. The huller can be operated intuitively with simple control elements and offers a quick product change due to the good accessibility of the product area. This also facilitates and accelerates cleaning and maintenance.

## Working principle

Whole pulses are fed into the inlet spout [A], which is directed towards the hulling chamber [B]. The pulses are hullled as they pass between the screens [C] and the grinding stones [E] rotating on the shaft [D]. The inclination of the machine causes the peeled product to leave the peeling chamber through the outlet chamber [F]. The separated husk passes through the sieves into the hopper [G].

## Benefits

- High yield and optimal finish on hullled pulses
- Designed for easy and hygienic operation
- Maximum service life
- Wide range of applications



**Stable, balanced machine design with large hulling surface area**

Delivers higher capacity and uniformed hulling performance.

**Specially designed hulling stones**

Saat Technologie proprietary emery stones are designed in eleven sections for minimal wear and when needed, are easy to replace.

**New sieve assembly with three sieve sets (optional)**

Easily replaceable concentric sieves are available as an option to help maintain a uniform hulling area throughout the stones life cycle.

**Variety of emery stones and grit sizes**

Specially selected and recommended by Saat Technologie technologists to deliver optimum hulling degree and lower broken.

**Maximum hygiene**

Food grade rubber seals between stones reduces product accumulation, dust and allows for easier cleaning to reduce contamination during product changeovers.

**Adjustable milling parameters**

Maximum control on hulling degree through adjustable hulling gap and pressure.

**Adjustable machine inclinations**

Easy to change inclination to suit variations in input products.

**Connections to aspiration system**

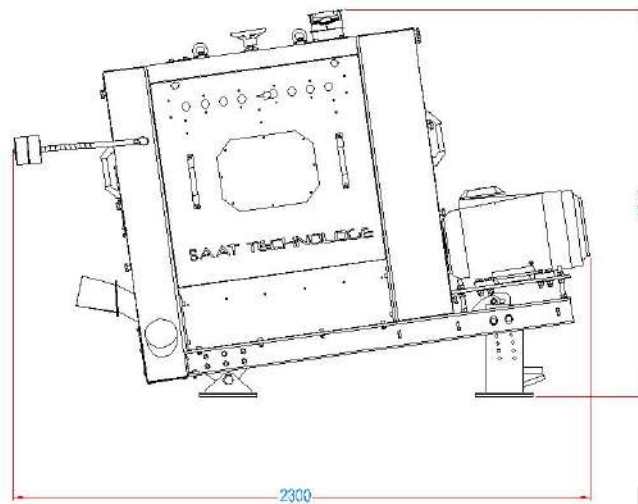
Connections to convey husk pneumatically are available as an option for a cleaner operation.

**CE certified**

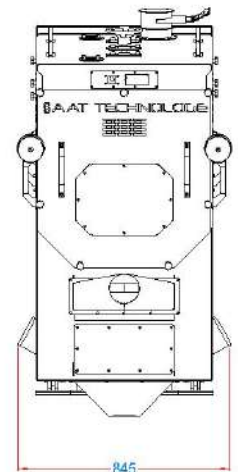
Abrasive ROLLER huller is designed and manufactured to conform to the highest process and safety standards.

## APPLICATION AREAS

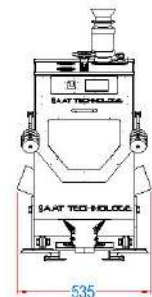
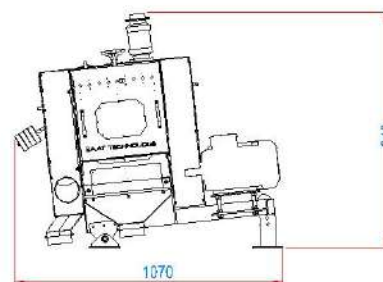
- Brown Lentil Hulling
- Red Lentil Hulling
- Green Lentil Hulling
- Dry Beans Hulling
- Chickpeas Hulling
- Yellow Peas Hulling
- Yellow Lentil Hulling
- Fava Bean Hulling
- Wheat Bran Removing
- Barley Hulling
- Spelt Wheat Hulling
- Buck wheat Hulling



**Model ARH-400**



**Model ARH-200**



TECHNICAL DATA		ARH-400	ARH-200
MOTOR	kW	11, 15, 18	3, 5
Aspiration	m3/min	45	6
Approx. Weight	kg	1200	4
Capacity*	t/h	4-5	4,0

\*Applicable for dry peas, lentils, chickpeas and dry beans