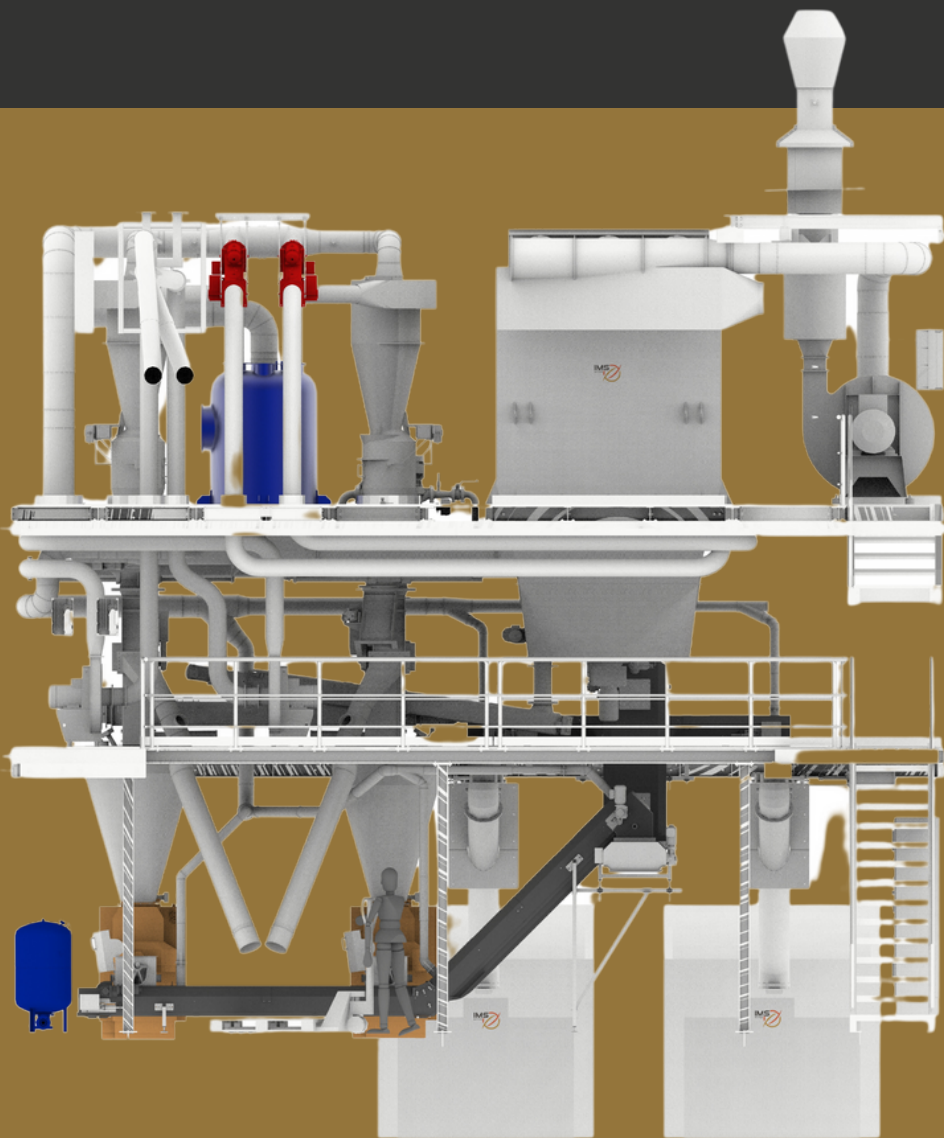


# CHAFF PROCESSING 100% SPARK-FREE

Spark-Free Chaff Processing for small, mid-sized and big plants



**Passion in detail - We offer more than standard**

For almost 20 years, we have been developing innovative machines and systems for coffee processing. We stand for uncompromising quality and efficiency.

## A safe solution

The safe and efficient processing of coffee husks to briquettes or pellets as end products requires the perfect interaction of all components involved in a plant. Accumulating quantities, capacities, and conveying routes must be carefully coordinated. An important aspect is also the existing fire risk, which can be minimized by an integrated spark detection and extinguishing system. In accordance with these requirements, IMS-RITTER also offers complete plants for the processing of coffee skins - for a safe and trouble-free production.

### Coffee skins

Depending on the type of coffee, different amounts of coffee skins are produced during roasting and cooling. Robusta varieties have a higher incidence of coffee skins than Arabica varieties. An untreated variety produces between 0.4 and 1.8 percent by weight.

The dry and easily ignitable coffee skins carry the risk of being ignited by sparks that can occasionally occur during production. Extinguishing devices on modern plants prevent worse, but existing plants in particular often have weak points.

In addition, coffee husks are increasingly becoming an interesting by-product of coffee production, with applications ranging from fertilizers to ecological plastics. They are made transportable and marketable by pressing them into briquettes or pellets.

### Process engineering

The plant for skins processing consists of several components that are functionally interconnected. The plant and its components are monitored and controlled fully automatically. All functions of the plant can be called up and all settings made via an industrial PC; the plant runs in automatic mode.

Sparks, glowing or smoldering particles forming in the system can ignite the dry and easily combustible coffee skins and thus cause fires and explosions. A spark extinguishing system installed for this reason greatly increases the operational safety and protection of your production. Sparks are detected in time and extinguished automatically. Optionally, a calming section offers additional safety.

**Please ask for more information or a budget quote for your plant!**



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