

## Science of Seed Processing

### General

Brand	Saat Technologe
Designation	Impact Seed Hulling
Model	IH Series with Models of 200 / 400 / 900
Use	Industry
Application	Processing of Cereal grains and other seeds.

Impact Huller IH Series is a precise and efficient dehulling unit applicable Sunflower Seed, Hemp Seed, Oat Seed, Millet Seeds a like.

### Conditions before Hulling:

Sunflower seed to be Dehulled, should have been cleaned/separated from admixtures\*  
For optimum hulling yield, your sales representative will explain you in detail required conditions.  
Capacity: Each model of Impact Huller has different capacity, please refer to technical chart.

**Hulling Operation with Impact Huller:** Seed is fed into the inlet where it enters the impeller wheel through the feed control pipe. Accurate adjustment of the feed control handle determines the perfection of the hulling operation. The centrifugal force of the rotating impeller wheel drives the product against the 'hulling ring'. The speed of the rotating impeller is adjustable to create the exact force of impact against the hulling ring. Fine-tuning of the speed minimizes broken seeds and maximizes hulling yield. From the hulling chamber, the hulled Sunflower Kernels, shells and unhulled Sunflower Seed discharged at the bottom outlet together.

An industrial duty machine, long lifetime ensured by rugged design ensures easily replaceable Impeller and hulling ring fabricated from a highly durable steel for wear resistance.

### Food Grade:

Easy access to all parts of the machine.

Food Grade painted surface is sufficient for Sunflower Seed processing equipment. Stainless Steel surface is optional.

Food Grade Lubricants for bearings.

### Hulling yield:

Hulling yield ranges from 70 to 90 %, this high variation happens due to right conditions being provided or not and we are happy to share our experience. Please consult your sales agent.

### After Hulling Operation:

Impact Huller breaks the shell of Sunflower Seed and at the out let of the machine, **Sunflower Shell, Sunflower Kernels** and **Whole Sunflower Seed** (none hulled) exists together. To obtain **Sunflower Kernels** there is sequence to do the separation of **Sunflower Shell, Sunflower Kernels** and **Whole Sunflower Seed**. Your Sales representative will be happy to explain you what machines are used to obtain the expectable Kernel output. Other seeds like Hemp, Oat and Miller operations are same in the operation.



## Shipment:

If you are looking for single machine, we provide the Cargo parameters for each machine, so buyer can calculate Transport cost to delivery address and we will be more than happy to assist you in this matter please feel free to consult your sales agent.

## Installation:

We supply technical documents and easy install videos to our clients for safe handling.

As well as our moto is 'Plug and Play' that makes our buyers experience much easier with Impact Huller.

## After Sales Support:

We have 7/24 online and on call After Sales Support Department.

For After sales parts purchasing you can go to our online [saattechnologe.com](http://saattechnologe.com) or download **our Application** to order your required spare part, if we have not opened an account for you please go ahead open your account, purchase your part and it will get it delivered to your address.

MODELS	CAPACITY Sunflower	MOTOR	ELECTRICAL RATINGS	DIMENSIONS L x W x H	WEIGHT Empty
<b>IH-200</b>	30 kg/hr	1.1 kW	220 Volt 50 Hertz 1 Phase	800x700x400	50kg
<b>IH-200 &amp;SB</b>	30 kg/hr	1.1 + 0.55kW	220 Volt 50 Hertz 1 Phase	800x700x1680	100kg
<b>IH-400</b>	150 kg/hr	2 kW	380 Volt 50 Hertz 3 Phase	900x760x800	100 kg
<b>IH-900</b>	400 kg/hr	5 kW	380 Volt 50 Hertz 3 Phase	1016x840x1285	255kg

Note: Capacities may vary for different impurity, moisture contents and seed verity.

## ENVIRONMENTAL CONDITIONS

Environment           Indoors  
Temperature from    -10°C to +40°C  
Altitude                Up to 1 000 m

## NOISE

Sound pressure level, empty 79.2 dB(A)

## Available Options

- An effective shell separation can be achieved with Shell Flower Fan located Below the Impact De-huller.

