

## **SCHULE – Your Competent Partner for Rice Processing Technology**

---

Machinery, plants, also on turnkey basis  
for processing grain and pulses



# Over a 100 Years of Experience in the Field of Grain Processing

Worldwide.

Cover picture:  
Cut out from  
an oil painting  
on linen,  
Denge 1973

The famous inventor, F. H. SCHULE was granted Patent No. 77,786 in 1892 for a Table Separator for use in the rice-milling industry where it proved highly successful. Since then, the SCHULE Paddy Separator is the most popular item of all our equipment programme.

the foremost companies worldwide for the manufacture and supply of processing machinery for rice, grains and pulses.

All our machinery is manufactured in accordance with DIN EN ISO 9001 and is "Made in Germany".

Our policy of continuous development and improvement of our product ensures our position as one of



SCHULE is a  
member of the  
KAHL-Group

## Contents



Paddy



Cargo



White rice

Scope of Supply	4
Cleaning, Selection Cleaning Machine GTR, Dry Stoner TSTSI	5
Shelling, Separation Shelling and husk separation unit COMBIHULL CH 10 / 1260, Rubber Roll Sheller S 10 PR	6
Separation High-Capacity Closed Circuit Husk Separator HUS 1260	7
Separation Compartment-type table separator TH3	8
Whitening, Polishing VERTICONE VPC, Rice Polishing Machine RPM 225 Rice Polishing Machine RPM 225 W	9
Grading, Sifting Plansifter PLS, Indented Cylinder Unit, Centrifugal Sifting Machine WSM	10
Examples of SCHULE plants installed worldwide	11
Address	12

## Scope of Supply

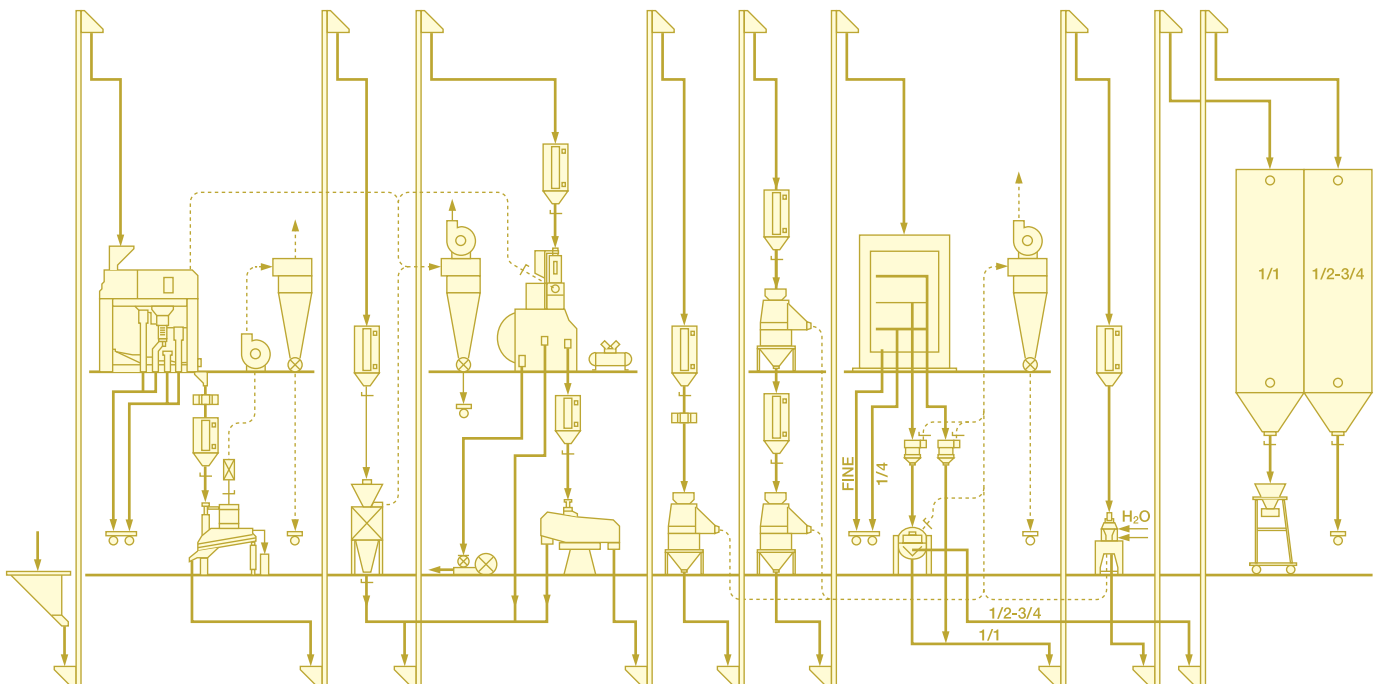
- Rice mills and auxiliary plants according to customers requirements
- Oat mills as well as machinery for processing of barley, millet, sorghum, pepper and pulses
- Plants for production of baby food, instant food, special flours of rice and oat
- Plants for hydrothermal treatment of rice (parboiled), grain and pulses
- World-wide service and agents

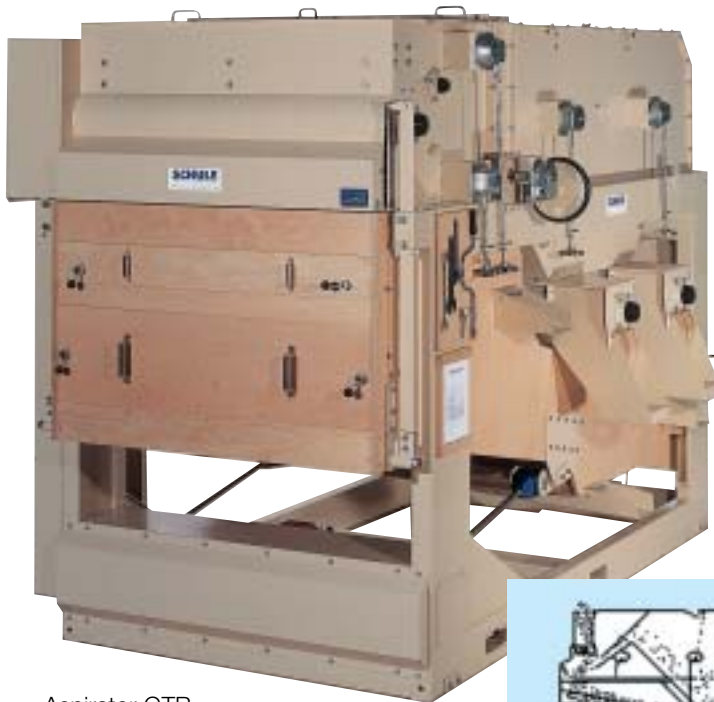


Final assembly in Reinbek near Hamburg



Our pilot plant is at our customers disposal for trials and tests at any time



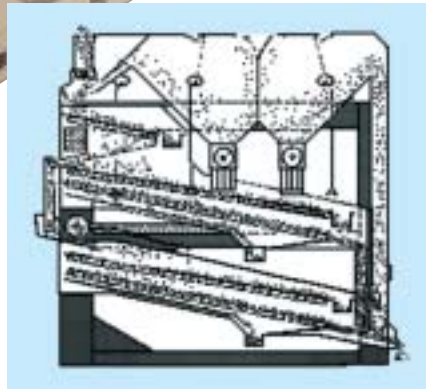


Aspirator GTR

## Cleaning Machine GTR

The cleaning machine for preliminary and fine cleaning:

- Support and aspiration chamber in all-steel design
- Feed roll for uniform product feeding
- Effective pre- and post-cleaning aspiration system
- Optional working screening system
- Adjustment of screen inclination is possible
- Robust and quiet running eccentric drive



Sectional view of the GTR



Dry Stoner TSTSI

## Dry Stoner TSTSI

High-capacity machine for separating heavy particles, such as stones, lumps of soil, mud balls etc.

- Suction-type system with vacuum deck
- Precise adjustment of air volume
- Automatic feeding
- Air-cushioned separation table with inclination adjustment
- Easy-change screen
- Drive by vibratory motor with frequency range adjustment
- Large windows for observation of the separation process

Rubber Roll Sheller  
S 10 PR



### Rubber Roll Sheller S 10 PR, patented

- Highest operational reliability ensured by patented gravity actuated control, exclusively pneumatically operated
- Patented linear slide for movable rubber roll
- Intensive cooling of rubber rolls by two fans
- Shelling and drive section as separate units
- Patented double v-belt drive maintaining proper belt tensioning throughout the range of roll position
- High husking capacity and shelling degree with lowest amount of brokens

### Shelling and husk separation unit COMBIHULL CH 10 / 1260

The Rubber Roll Sheller S 10 PR  
in combination with the Closed Circuit  
Husk Separator HUS 1260

Combihull  
CH 10 / 1260



Paddy



Cargo





HUS 1260

## High-Capacity Closed Circuit Husk Separator HUS

The HUS 1260 operates exclusively on the closed circuit system. Additional aspiration systems are not required.

Husk and light grains are separated from the paddy-cargo mixture:

- High degree of separation
- Robust all-steel construction
- New separating chamber concept
- Cross-current fan working over the whole aspiration width
- Illuminated separating chamber for observation of separation



Cocoabeans



Wildrice



Barley



Soyabeans



Field beans



Moong dall



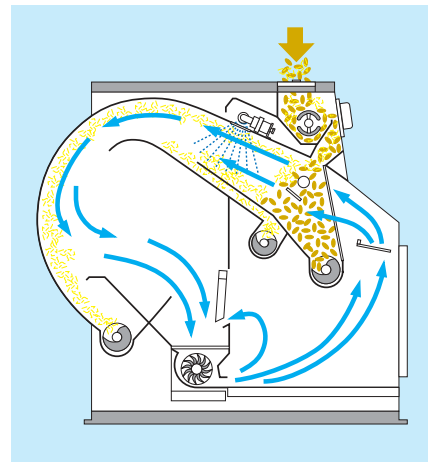
Urid dall



Red lentils  
(raw product)



Red lentils  
(final product)

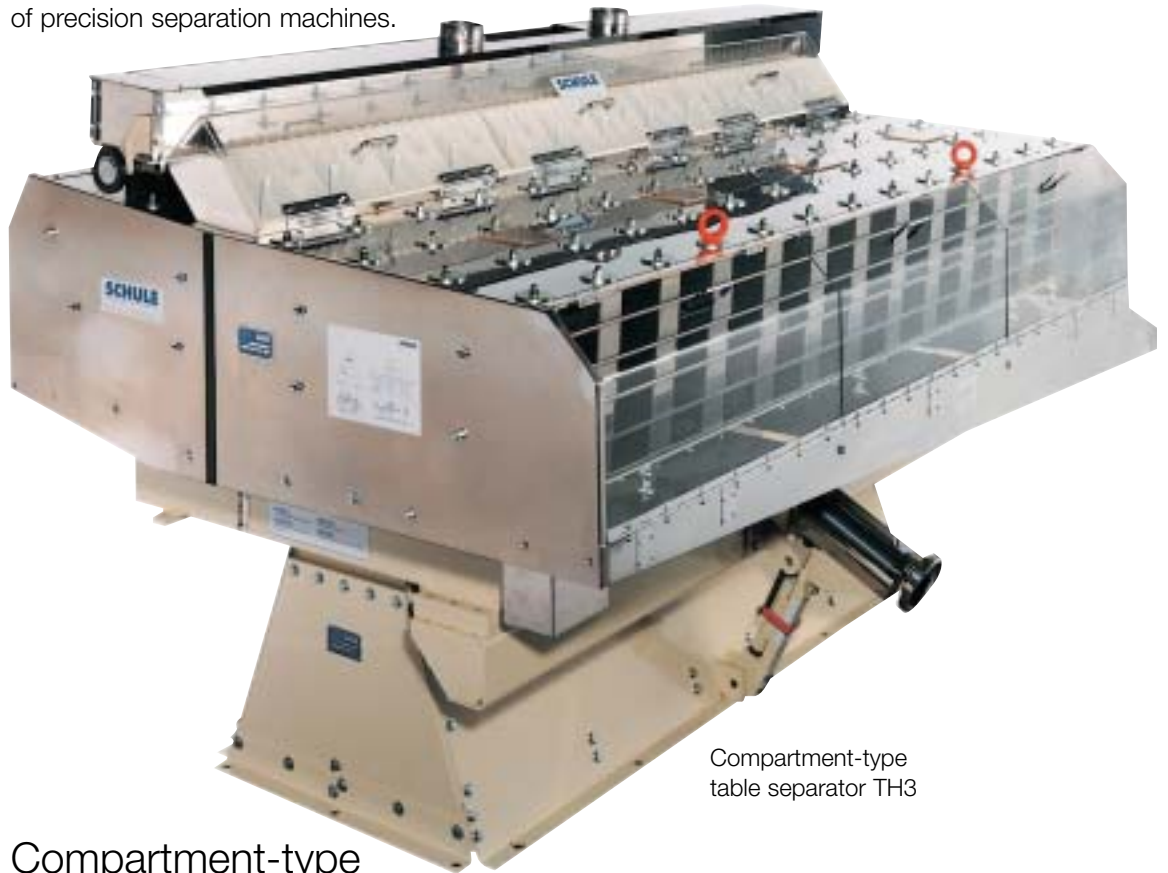


Sectional view  
of the HUS 1260

The HUS 1260 is employed whenever light and heavy particles are to be separated

## Table separator TH 3, patented

The compartment-type table separator continues the experience of more than 100 years in the construction of precision separation machines.

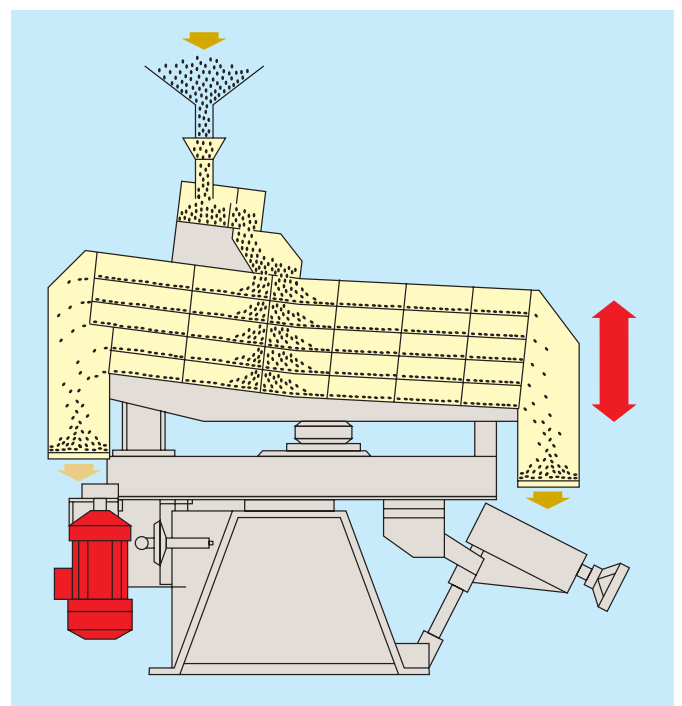


Compartment-type table separator TH3

## Compartment-type table separator TH3

The new design achieves a better separation effect with a high capacity.

- All-steel design
- New design of feeding trough
- Direct drop channels with large cross sectional area, uniform loading of the individual compartments
- Three-point stroke adjustment
- Fine adjustment of table inclination
- Speed regulation by frequency converter
- Precise longitudinal table guide ensuring smooth running
- Compartment section in torsion-free construction, mainly in stainless steel
- Feed trough with aspiration connection as standard.



Sectional view of the table separator TH3

## Whitening, Polishing

### Rice whitening machine VERTICONE VPC



VERTICONE

Conical whitener for gentle milling of all types of rice and cereals.

For example:

Rice, wheat, rye, durum, bulgur, oats, barley, peas (yellow, green), lentils (green, red), dry beans, pepper (black), millet.

Special features:

- New conical milling concept
- Abrasive corundum disks
- Low speed on top for gentle starting
- Movable conus inside of conical sieve cage for highest flexibility
- No counter weight
- Effective bran aspiration
- New rice cooling system (very low temperature increase during whitening)
- Long life time of stones and sieves
- Easy approach to wearing parts
- New outlet design to avoid high pressure to the rice



VERTICONE VPC

### Rice Polishing Machine RPM 225 Rice Polishing Machine RPM 225 W

The RPM 225 is available as a dry as well as a water polishing machine. A combination of both is possible

- Horizontal, working chamber
- High-pressure blower to enhance the bran removal and cooling the product. The water polisher RPM 225 W is supplied with the water atomising system, which ensures a uniform moistening of the product.



Polishing Machine  
RPM 225 W

## Plansifter PLS

Plansifters ensure a high capacity on the smallest floor area for many applications.

For sorting of:

- Whole kernels
- Mixture  
(whole kernels + big brokens)
- Small brokens
- Tips / flour

Different screen boxes depending on capacity, product and sorting.

Plansifter PLS



Indented Cylinder

## Indented Cylinder Unit

Length grading is performed on indented cylinders with a high degree of precision. They are available as single or multiple cylinder units.

The cylinders are made out of special steel plates with pressed-in-pockets.

## Centrifugal Sifting Machine WSM

They are widely used for the separation of powdery from granular material as well as control sieves.

- Quiet running
- Easily exchangeable screen sleeves
- Self-cleaning screen



Centrifugal Sifting Machine WSM

# Examples of SCHULE plants installed worldwide



Combination of 3 RSM in a Rice Mill in Spain



Combination of 8 Combihulls in a Rice Mill in Thailand



Parboiling Plants in Greece





The central factory of the Kahl Group with state-of-the-art production facilities at Reinbek near Hamburg.

The area of the company comprises 40,000 m<sup>2</sup> including the built-up area, production halls and office building, with abt. 20,000 m<sup>2</sup>.

## Companies of the Amandus Kahl Group:

### **Amandus Kahl GmbH**

Complete production plants for the feed, -food, nutrient and cereal processing industries

### **F. H. Schule Mühlenbau GmbH**

Production of plants and machines for the treatment of rice, other cereals and legumes

### **Neuhaus Neotec**

#### **Maschinen- und Anlagenbau GmbH**

Production of coffee/cocoa handling roasting plants and individual coffee processing machines

#### **Berthold Wachtel GmbH**

Production of machines and plants for the tea, spice and drug processing industries

### **F. H. SCHULE Mühlenbau GmbH**

Dieselstrasse 5-9  
D - 21465 Reinbek  
Phone: +49 (0)40 7 27 71 - 700  
Fax: +49 (0)40 7 27 71 - 710

e-mail:  
schule@amandus-kahl-group.de  
www.schulerice.com



Member of the  
KAHL-Group