



MMCTECH

SEED PROCESSING MACHINE & EQUIPMENTS - AUTOMATION SOLUTIONS

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info@mmctech.us

MMCTECH Seed Conditioning & Processing Global Solution Partner



**COMBI SEED CLEANER
SC-IC-1200x600**

MMCTECH: Seed Machines & Equipment with Automation Solutions

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COMBI SEED CLEANER

The Akyurek Combi Seed Cleaners CSC series Equipment are used for high-quality seed cleaning of free flowing bulky products, e.g. grain, oilseeds, fine seeds (grass and vegetable seeds). The high standard of cleaning is achieved by a combination of the screening process, the air aspiration system, and the indented cylinders.

Advantages:

- Suitable for various products due to extensive setting options
- High standard of cleaning
- Simple and quick changing of screens
- Two different air volume ranges adjustable for various products
- Highly effective cleaning of the screen surfaces by screen agitators (top screen) and brushes (bottom screen)
- Equipment with two indented cylinders for a high sorting performance
- Also suitable for intensive cleaning without the indented cylinder

Description:

The product is moved from the inlet hopper through the pre-aspiration duct.

Light rejects, husk and dust are separated here.

Afterwards, the product is transported to the screen compartment.

The top screen separates large and coarse rejects.

The top screen is cleaned with a screen agitator.

Small rejects are separated by the bottom screen.

A brush carriage cleans the bottom screen.

The screened product is transported through the final aspiration duct.

Further light rejects with lower density are separated there by the air flow.

The cleaned product is transported to the indented cylinders where short

rejects, e.g. broken grains and round weed seed are rejected.

The cleaned seed is transported to the bagging devices on the indented cylinder and can be bagged-off here.

Construction:

The Air Screen Cleaners are equipped with an inlet hopper, one pre- and final aspiration duct with depositing chambers, a screen compartment with two screen layers. The various components of the machine (inlet hopper, screen compartments, fan etc.) are operated by a V-belt system with an electric motor.

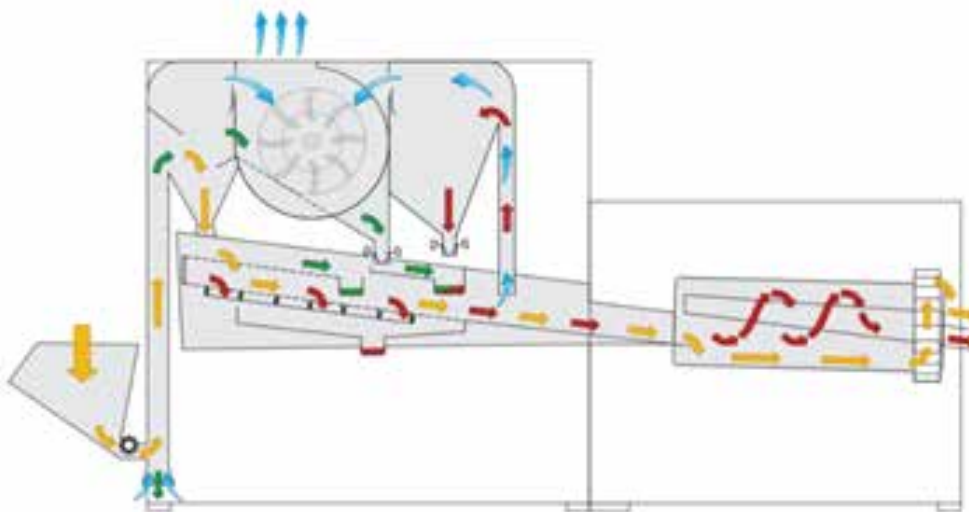
Standard Equipment:

- Bolted frame made of painted sheet steel
- Set of screens for screening diagram
- Screen agitators and brush carriage
- Drive unit with 3.0 kW electric motor

Options:

- Screens available for a large number of different products

FLOW SCHEMA



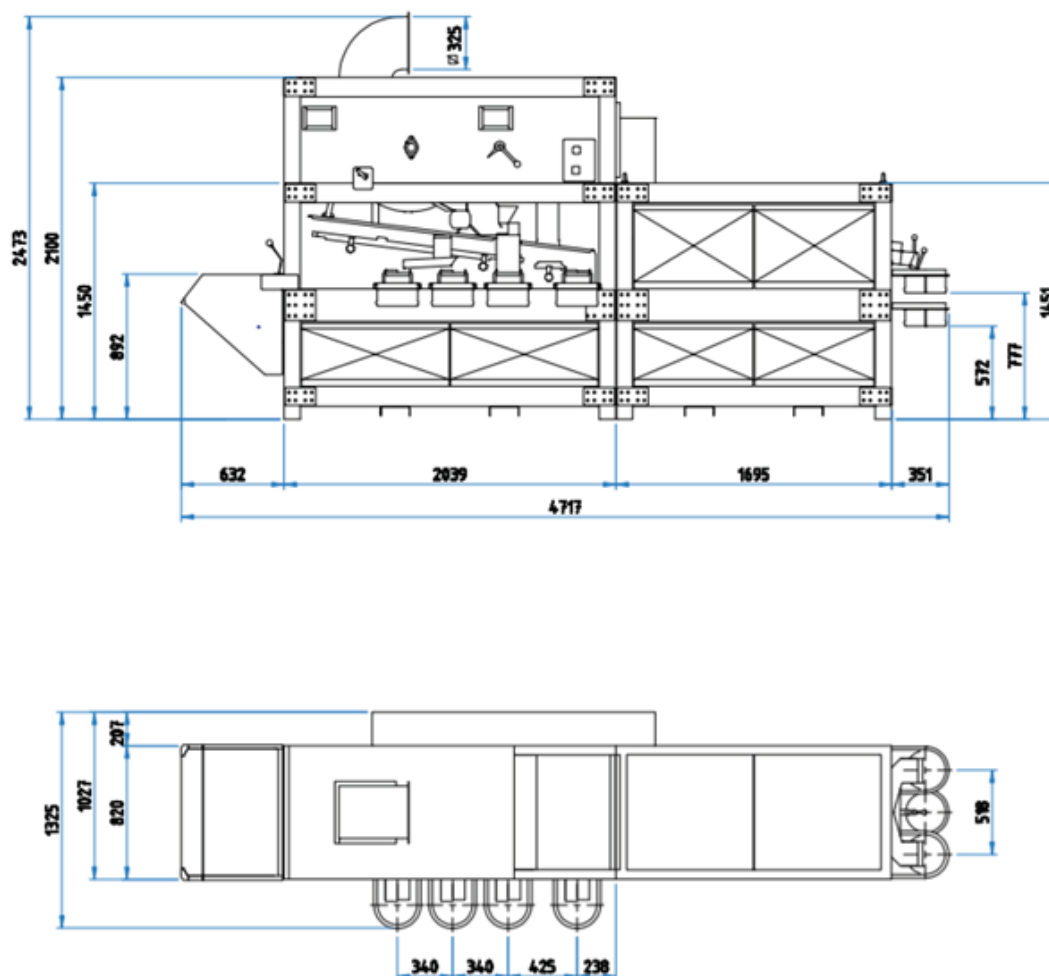
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TECHNICAL DRAWING



TECHNICAL DATA

Combi Seed Cleaner

Technical Data		CSC 1.1
Capacity (Based on: wheat)		
Industrial cleaning	t/h	0,60
Seed cleaning	t/h	0,50
Working width	mm	65
Screen area	m ²	1,26
Air volume 1	m ³ /h	4500
Air volume 1	m ³ /h	5800
Drive motor	kW	3
Speed	rpm	1450
Speed of the fan 1	rpm	900
Speed of the fan 2	rpm	1100
Speed indented cylinder	rpm	35

Technical Data		CSC 1.1
No. of screen layers	pcs.	2
Upper screen layer	pc.	1
Lower screen layer	pc.	1
Cleaning of upper screen layer		Agitators
Cleaning of lower screen layer		Brushes
Dimension:		
Length	mm	4717
Width	mm	1337
Height	mm	2100
Total height with pipe connection	mm	2473
Air exhaust system		
Diameter pipe for exhaust system	mm	450
Cyclon type		1250/1600