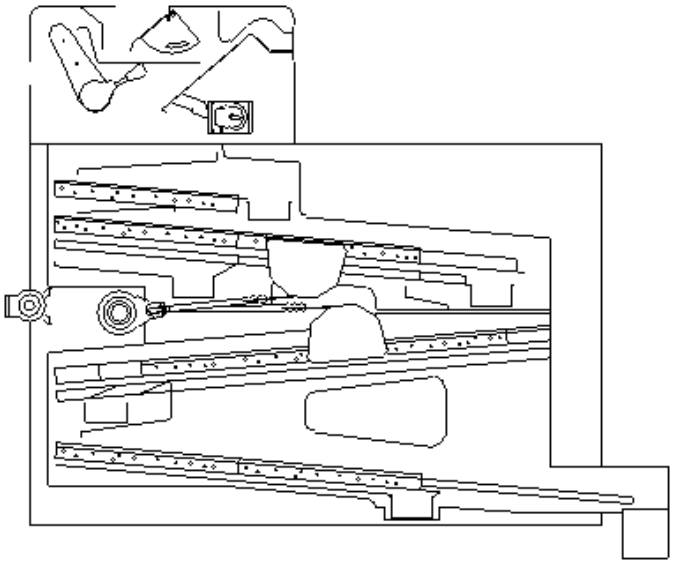
OPTIMUM 224
SCREEN GRADER

Designed for precise grading of grain and seed, its gentle flow of product through the machine ensures an excellent grading precision. The Optimum 224 screen grader include shaker feeder and flexible screen flow.



PERFORMANCE

Materials	Bulk density t/m³	Moisture content %	Capacity t/h
Barley	0.68	14	3
Coffee, green	0.65	14	1.5–2.5
Maize	0.71	14	1.5–4
Oats	0.51	14	2
Peas, common	0.7	14	2–4
Rice, white	0.75	14	3
Rye	0.69	14	3
Ryegrass	0.3	14	1
Sorghum	0.64	14	3
Soybeans	0.72	14	2–4
Sunflower	0.4	9	1.2–3
Wheat	0.76	14	3

Note: Capacities may vary for different impurity and moisture Contents

SCREENS

Screen angle	5.0 Degrees
Screen area, total	7 m²
Screen size	1 250×800 mm (7 pcs)

DIMENSIONS

Overall length	3 030 mm
Overall height	2 300 mm
Overall width	1 180 mm

WEIGHT

Weight, empty	1 800 kg
Weight, operating (wheat)	1 890 kg
Weight, choked (wheat)	4 100 kg

OPERATING SPEED

Shaker feeder (shaft)	140–700 rpm
Screens (shaft), fixed speed	280–285 rpm
Screens (shaft), variable speed	260–320 rpm

ELECTRICAL RATINGS

Motor, shaker feeder	0.75 kW
Motor, screens	1,5 kW

AIR SUPPLY AND EXTRACTION

Aspiration volume	1 000-2500 m³/h

DYNAMIC LOADS

Horizontal load “Ph”	±123 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end)	±1 075 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end)	±1 075 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE

Sound pressure level, empty	79.3 dB(A)

COMPLIANCE

EU machinery legislation	Yes
EU ATEX legislation	Option*
EU food contact legislation	Option*

** Consult your **Saat Technologe** dealer for full details.*

ENVIRONMENTAL CONDITIONS

Environment	Indoors
Temperature	From -20°C to +40°C
Altitude	Up to 800 m

SURFACE PROTECTION

Frame and enclosure	Paint (corrosivity category C2; low durability)

LIFETIME

Intended life limit	20 years