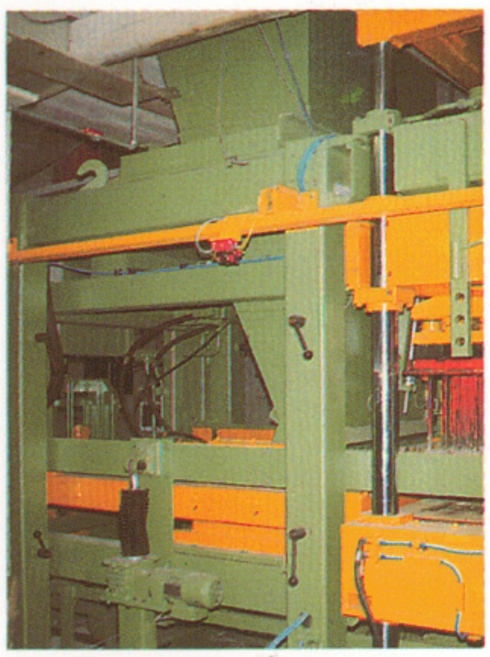
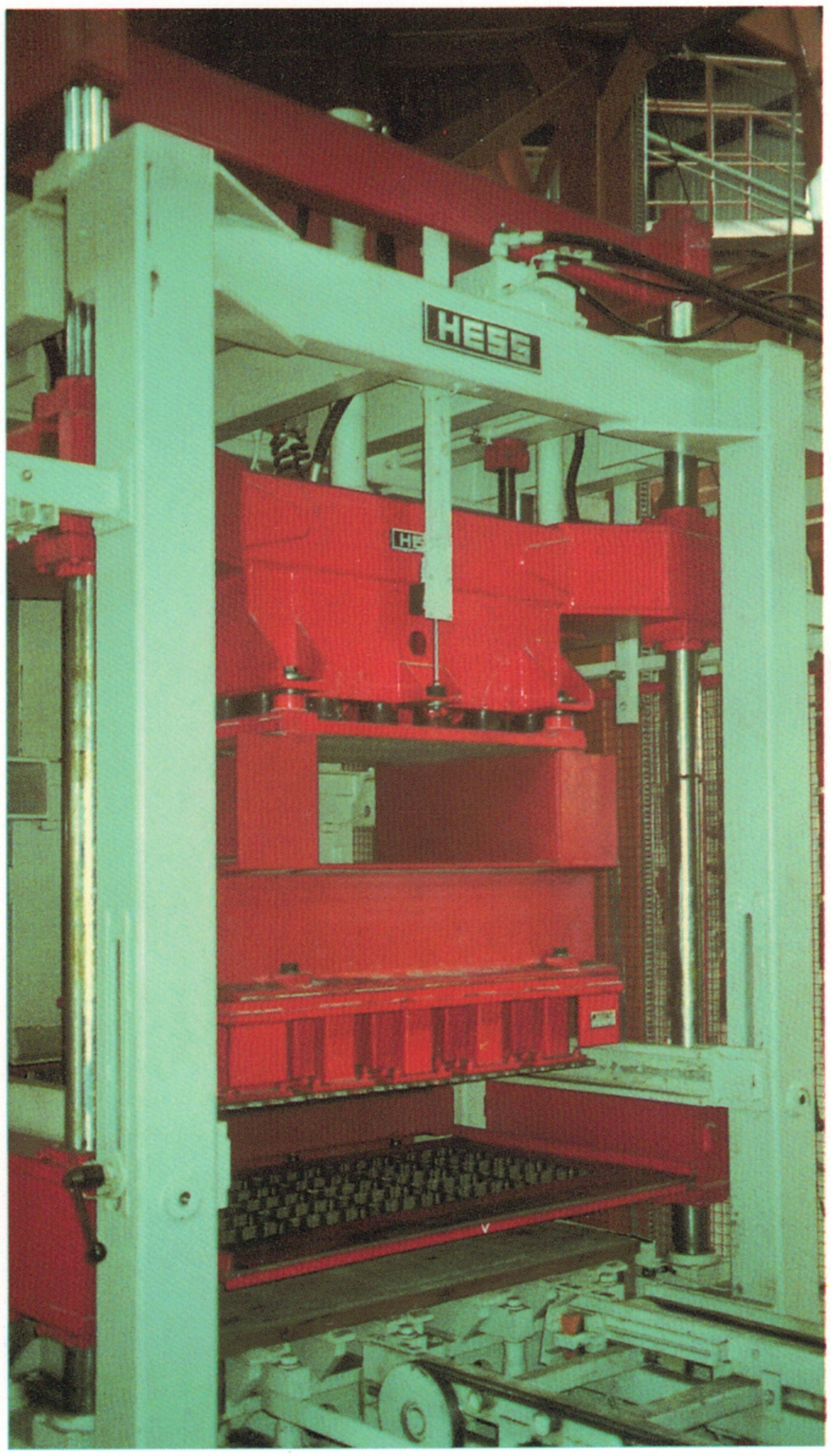
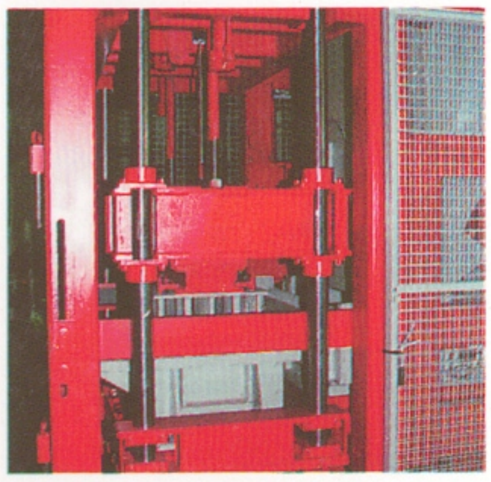
An advanced practical approach proven through practice

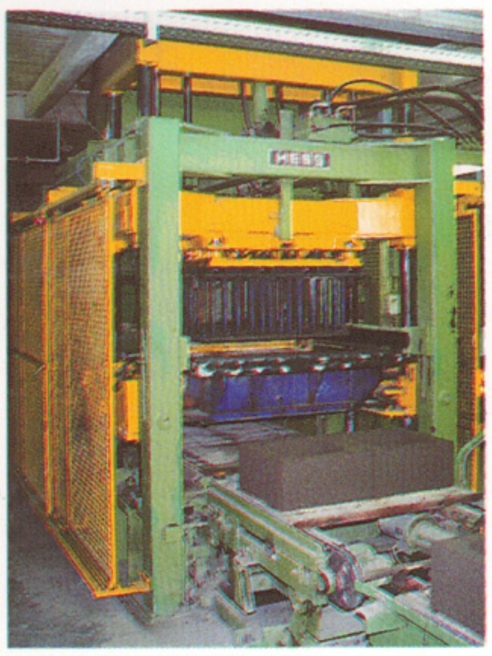
MULTIMAT RH 1500 A (VA)

For high performance stationary production of concrete blocks









- extremely robust frame construction
- heavy-duty hydraulic unit
- free-programmable control via monitor display
- programmable positioning of linear travel measurement scales for tamper head, mould, filler box and pallet transport
- PC imaging of the production process and data via monitor (option)
- machine system criteria analysis
- electrical height adjustment of the charging system
- pneumatic clamping of the mould
- hydraulic clamping of the tamper head (option)
- storage capacity for product application programs
- hydraulic drive for filler box agitator
- electro-mechanical concrete hopper flap
- filler box level indicator
- draw plate function (option)
- fully synchronized table vibration (infinitely variable frequency and amplitude control is optional)
- face concrete charging unit (option)
- pallet size as required (within available range)

We put your concrete into shape

HESS

EXCELLENCE THROUGH
COMPETENCE, RELIABILITY
AND INNOVATION

Technical specification

RH 1500

production area:
min. 1100 x 750 mm, max. 1300 x 950 mm

production height:
min. 50 mm, max. 400 mm

pallet size:
min. 1200 x 800 mm, max. 1550 x 1000 mm

cycle time:
12 - 20 sec. (dependent on product)

concrete hopper capacity
coarse mix: 3500 l, **face mix:** 2800 l

hydraulic main pump: 55 kW

hydraulic secondary motor: 15 kW

oil heater: 1 x 1.0 kW

oil cooler: 1 x 0.12 kW

hydraulic pallet hopper: 1 x 4 kW

table vibrators (standard): 2 x 9.2 kW

motor cooler: 2 x 0.25 kW

electronic table vibrators:
4 x Servomotors each 7.5 kW

tamper head vibration: 2 x 1 kW

hopper flap coarse mix: 1 x 1.5 kW

hopper flap face mix: 1 x 1.5 kW

pallet transport:
1 x 4 kW (frequency regulated)

adjustment filler box level:
each 2 x 0.55 kW (coarse/face mix)

face mix drive: 1 x 1.5 kW

main voltage: 400 V

control voltage: 230 V

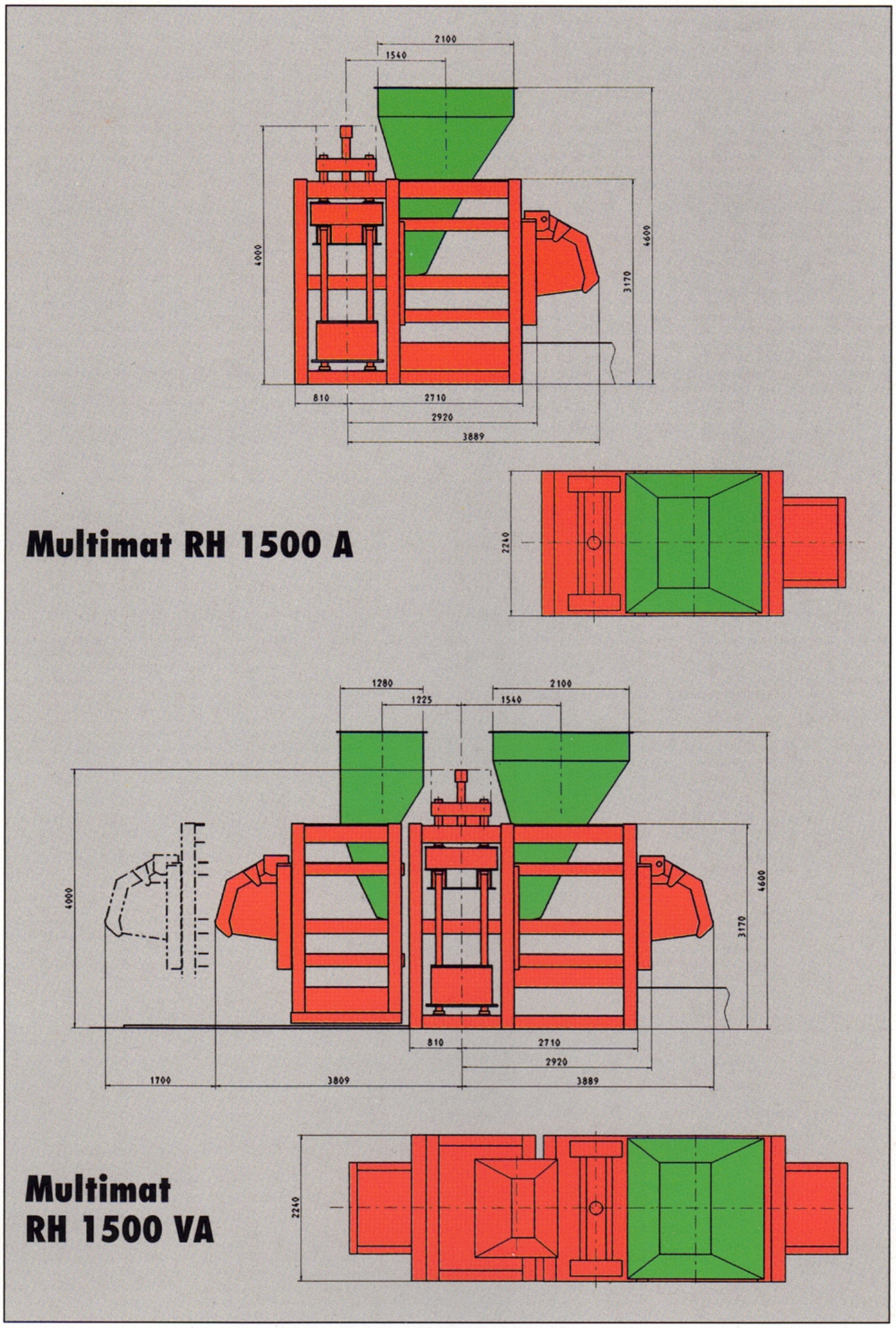
control valve voltage: 24 V / DC

electrical control:
PLC Siemens S5 115 U

hydraulic valves: BOSCH

total supply voltage: approx. 110 kW

machine weight:
without face concrete unit approx. 18 tons
with face concrete unit approx. 26 tons



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Our product line:

Hess Machinery is an established manufacturer of complete production systems for the concrete industry. We deliver a wide spectrum of diverse stationary block production machinery as well as peripheral equipment for transportation, storage, drying and cubing of concrete blocks.

Our product line also covers multilayer, tilting mould, egg laying (mobile) and stair step machinery as well as all appropriate moulds.

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Equipment for the Concrete Block Industry

EXCELLENCE THROUGH
COMPETENCE, RELIABILITY
AND INNOVATION