

1 Large **feeding unit**, hydraulically foldable and self-locking

2 **Effective prescreening** thanks to an independent double-deck prescreen with extra-large screen surface

3 Continuous crusher feed due to **CFS (Continuous Feed System)**

8 Wide, robust **crusher discharge conveyor** with reliable discharge of iron

6 Powerful, efficient **diesel-electric drive**, external power supply possible

4 Easy-to-operate **rock hammer**

5 **Powerful jaw crusher** - with optional crusher discharge chute

7 Simple and intuitive **SPECTIVE control concept**

A **Accessibility and safety:** best possible accessibility to all components relevant to operation

B **Transport:** fast and easy

# MOBICAT PRO

**+** The MOBICAT MC 120 PRO jaw crusher has an extremely robust design and guarantees low-maintenance operation. The machine guarantees high production outputs.

EFFICIENCY - PERFORMANCE - RELIABILITY



**01 Feeding unit**

- Generously dimensioned basic hopper (10 m³) for easy and fast feeding
- Hydraulically foldable; self-locking without additional work - for fast and safe start-up



Self-locking hopper walls - for fast and safe start-up

- Hopper extension (13 m³)<sup>+</sup> allows feeding through a wheel loader from the side and rear - for fast cycle times



Easy feeding via wheel loader possible, loading width at the back = 4 m

<sup>+</sup> Option

**02 Prescreening**

- Independently vibrating double-deck prescreen with extra-large screen surface of 3,5 m² guarantees effective screening of fines in the feed material and a higher throughput
- Reduction in wear by redirecting medium-sized grain through the crusher bypass
- Bypass flap integrated on prescreen reduces adhesions, for simple redirection of the material flow
- Discharge of fines via the side discharge conveyor<sup>+</sup>, side discharge conveyor can be mounted on right or left for high flexibility on site



Independent double-deck prescreen - effective and productive



Rigid and foldable side discharge conveyor<sup>+</sup> available - discharge height of 3.5 m

**03 Continuous Feed System (CFS)**

- Continuous crusher feed thanks to innovative feed control
- Vibrating feeder and prescreen automatically restrict of increase the conveying speed according to the filling level of the crusher; crusher utilisation is always optimised

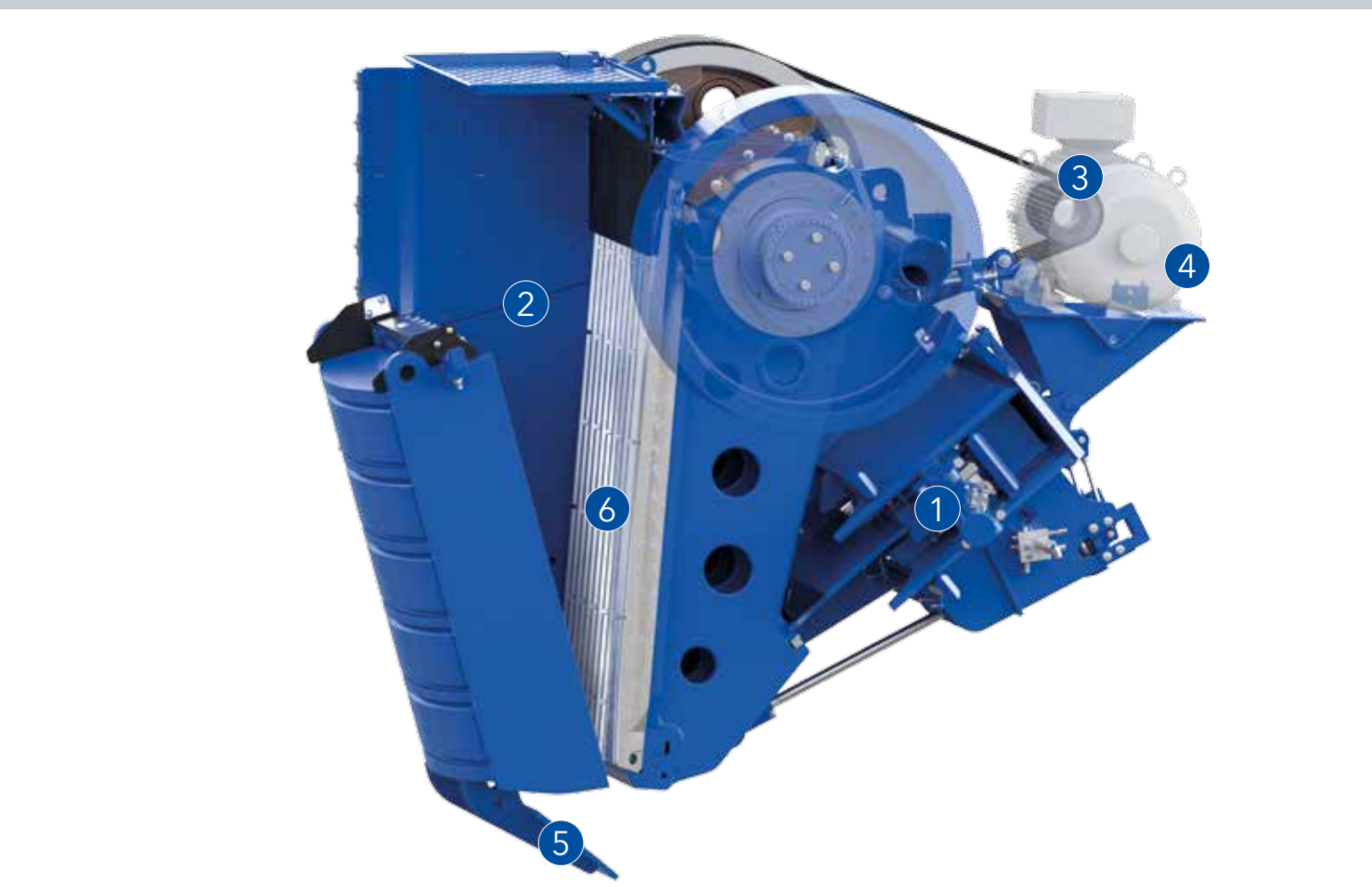


**04 Rock hammer<sup>+</sup>**

- Easy to operate with separate remote control from an ergonomic work position above the crusher
- Remains on machine for transport



**05 Crusher unit**



- 1 Convenient gap setting: at the push of a button over the entire setting range
- 2 Optimised crusher geometry with long crusher jaw: high throughput combined with maximum reliability
- 3 Powerful crusher drive: 200 kW robust electric drive for maximum crushing capacity

- 4 Crusher unblocking system<sup>+</sup>: for loosening jammed material - enables powerful starting even with filled, stationary crusher
- 5 Material transfer: via deflector plate or crusher discharge chute<sup>+</sup>
- 6 Large selection of crusher jaws for various applications: regular teeth, flat teeth

**06 Drive**

- Efficient, powerful diesel-electric drive [A] for low fuel consumption (crusher and all conveyor belts are driven electrically)
- External power supply<sup>+</sup> [B] for even more cost-effective use in quarries
- Electrical power connection<sup>+</sup> for the supply of further downstream devices, e.g. screening plant, stockpile conveyor,...
- Heat package<sup>+</sup> (-15 to + 50 °C) or cold package<sup>+</sup> (-25 to + 40 °C)



Schematic structure of the drive

**07 Control system**



Simple and intuitive control concept SPECTIVE

- 12" touch panel with menu-guided operation and visualisation
- All components and functions can be controlled; status display of all components for parameters such as speed, temperature, pressure, etc.; quick fault detection, display in plain text format
- Radio remote control for controlled the feeding unit
- Camera system<sup>+</sup> for monitoring crusher and hopper, remote monitor in the digger

**08 Crusher discharge conveyor and magnet<sup>+</sup>**

- Crusher discharge conveyor**
- Wide, robust crusher discharge conveyor, discharge height 4 m
- Extended conveyor<sup>+</sup> with discharge height of 4.6 m, hydraulically foldable
- Complete conveyor protective housing<sup>+</sup> for dust reduction - can remain on conveyor for folding



Crusher discharge conveyor

- Magnetic separator<sup>+</sup>**
- Electromagnet or permanent magnet<sup>+</sup>
- Can be raised and lowered hydraulically per remote control



Magnetic separator<sup>+</sup>

**A Accessibility and safety**

- Enables quick, convenient servicing thanks to very easy access to all components
- All hydraulic cylinders are equipped with safety valves (lowering/brake holding valves), upon shut-down or malfunction each cylinder remains in its current position
- Simple refuelling from the ground with filling pump<sup>+</sup>
- Spray system and LED lighting included in basic plant; premium lighting<sup>+</sup>



Easy access for servicing



Premium lighting<sup>+</sup>

**B Transport**

- Quick conversion to transport position



- Weight reduction through removal of prescreen, vibrating chute and crusher
- Folded side discharge conveyor<sup>+</sup> remains on machine for transport



<sup>+</sup> Option

TECHNICAL INFORMATION MC 120 Z PRO

Feed capacity up to approx. (t/h)	650
Crusher inlet width x depth (mm)	1,200 x 800
Feed size max. (mm)	1,100 x 700
Transport height approx. (mm)	4,100
Transport length approx. (mm)	18,700
Transport width approx. (mm)	3,000
Transport weight approx. (kg)	72,000

<sup>+</sup> without options

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