

PROCESS
TECHNOLOGIES

CEMENT & MINERALS

FCB VIF™ Crusher

Swing-hammer crusher with anti-clogging
Mobile Anvil Device



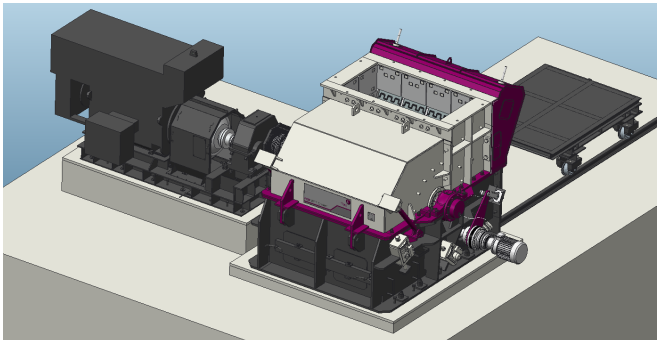
FCB VIF™ Crusher offers the best percussion grinding technology with the minimum costs

- Fully operational for wet, sticky and clogging products
- High crushing reduction ratio
- Long lifetime equipment with reduced and easy maintenance
- Wide range of applications for primary or secondary crushing: cement raw materials preparation (limestone, clay, shale and muddy materials), minerals crushing (phosphates, bauxite, iron ore, gypsum, aggregates...)

FCB VIF™ Crusher, impact hammer crusher with anti-clogging Mobile Anvil Device (MAD)

Long lasting equipment with proven ultra-robust design:

- One-piece welded steel frame
- Heavy duty forged high speed rotor
- 6 rows of staggered light or heavy hammers
- Adjustable crushing bars and crushing gap
- Traveling breaker plate (MAD) driven by a low speed gear motor pushing down the material into the crushing area of the machine
- Trolley for easy MAD maintenance
- Wear resistant manganese steel for wearing parts (breaker plate, liners, hammers)



Applications

FCB VIF™ Crusher is designed for primary and secondary applications. Example for medium-hard limestone:

- In primary application, FCB VIF™ Crusher is fitted with an inertia flywheel and can accept over 1m³-sized blocks to obtain, on average, -40mm with 70% below 25mm
- In secondary application, the feed size is up to -300mm to produce a typical -20mm product in open circuit

Thanks to its singular design, FCB VIF™ Crusher handles wet and sticky raw materials for primary and secondary crushing with the lowest maintenance needs.

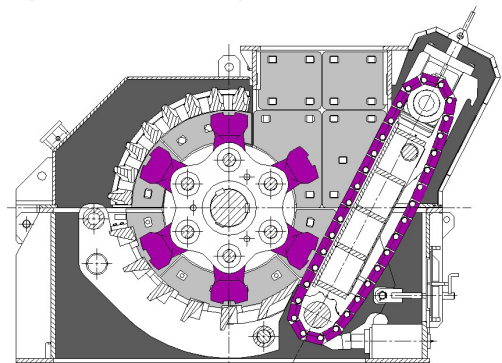
Anti-clogging crushing thanks to MAD design

Fine setting of output grainsize

Easy adjustment of both mobile anvil and crushing bars for wear compensation

Perfectly retractable hammers to avoid mechanical damages when fed with too large blocks

Quick maintenance thanks to hydraulic hood opening and hammer pins extraction jack to easily remove wear parts



Fully operational for sticky and clogging raw materials

High tolerance to moisture (5 to 15%)

Long lifetime equipment

Reduced maintenance operations and costs

High crushing reduction ratio

Wide range of applications and capacities

Flexible proposal with customized options to perfectly meet requirements

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