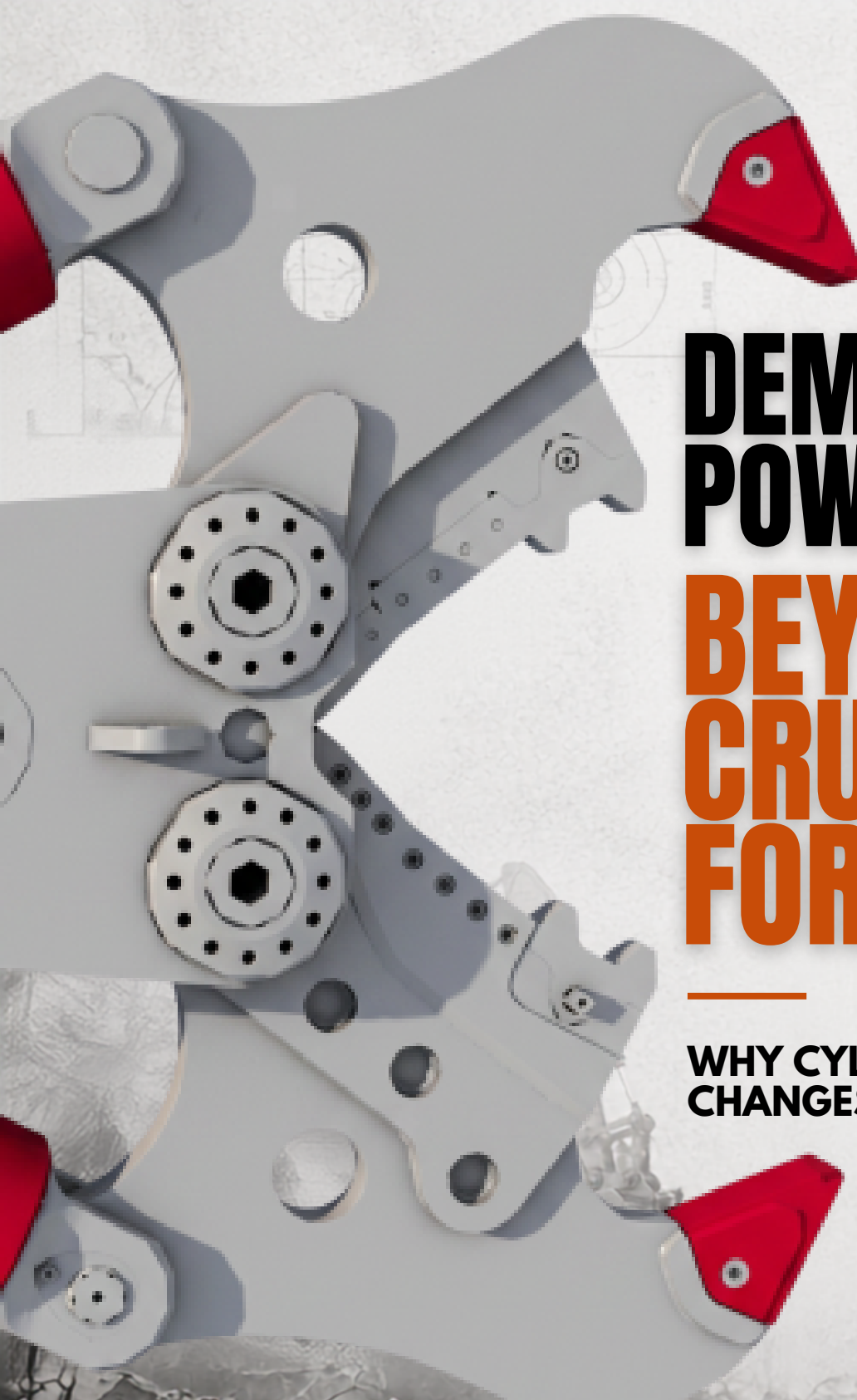




DEMAREC POWER: BEYOND CRUSHING FORCE

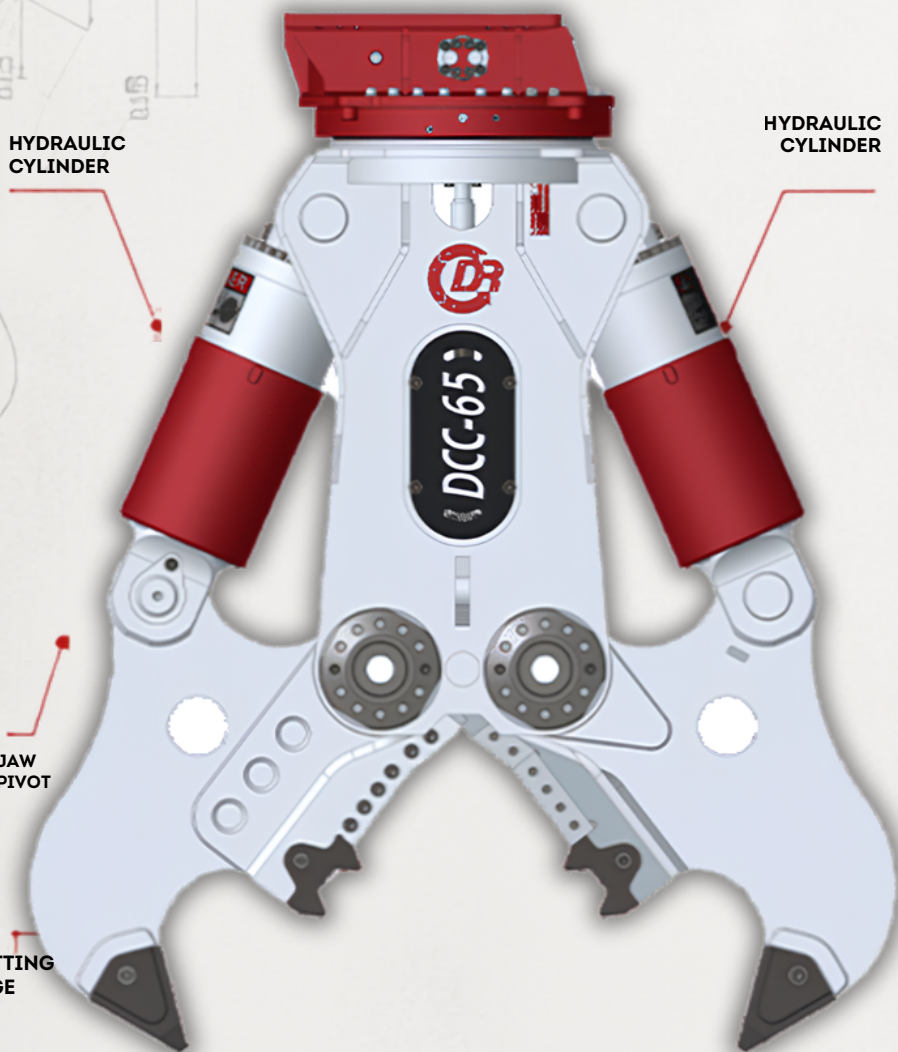
**WHY CYLINDER POSITION
CHANGES EVERYTHING**

repalo.it
info@repalo.it
+39 335 7574116

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WHY TWO CYLINDERS MATTER



WHAT REALLY GENERATES CRUSHING FORCE?

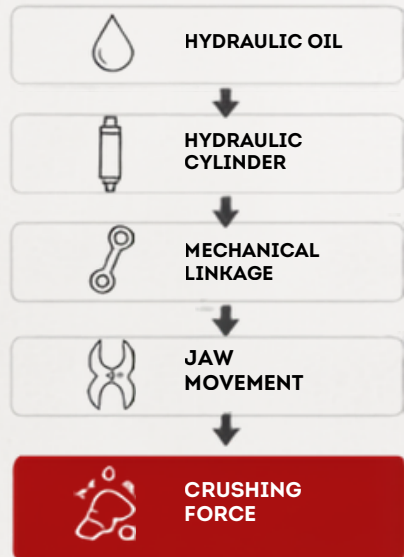
Many operators assume that crushing performance depends only on hydraulic pressure or cylinder size.

In reality, the usable force delivered to the jaws is influenced by several engineering factors working together.

Among the most important are:

- **Cylinder position**
- **Lever geometry**
- **Jaw kinematics**
- **Force transmission**
- **Hydraulic efficiency**

Understanding these principles helps explain why two crushers with similar specifications can deliver very different real-world performance.



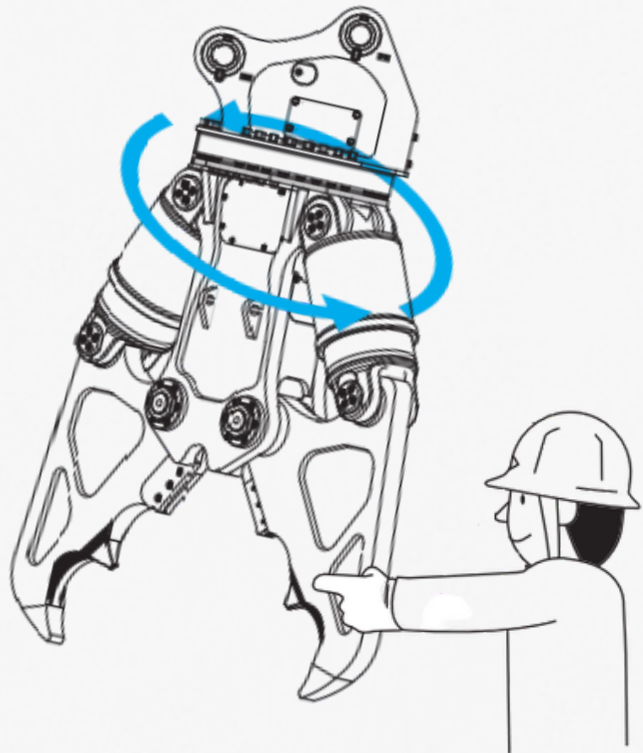
ENGINEERING INSIGHT

Hydraulic pressure creates force, but geometry determines how efficiently that force reaches the crushing tips.



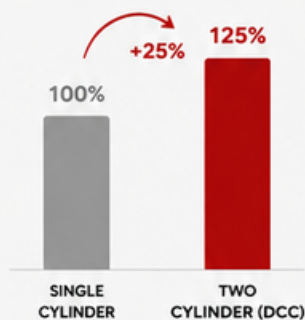
CYLINDER POSITION CHANGES EVERYTHING

The location of the hydraulic cylinders has a direct impact on force transmission, jaw movement and overall efficiency.



THE RESULT

25%
MORE
CLOSING
FORCE



Thanks to the optimized cylinder position and lever geometry, the DCC delivers up to 25% more closing force compared to traditional single cylinder crushers.

WHY IT MATTERS

Closer cylinders ensure balanced force and higher efficiency.

This is the core principle behind the Demarec DCC design.

OPTIMIZED CYLINDER PLACEMENT

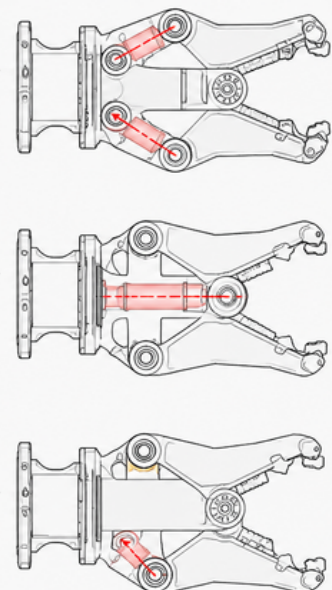
Pivot-mounted cylinders improve leverage and force transfer.

100%

90%

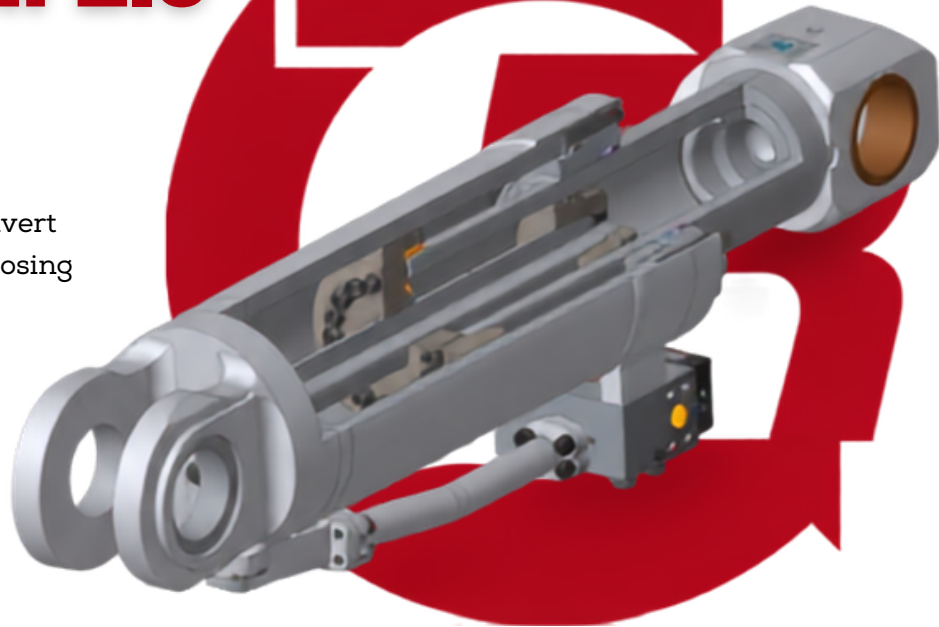
80%

125%



INSIDE DEMAPOWER 2.0

DemaPower 2.0 is the heart of the Demarec DCC. A new generation hydraulic cylinder designed to convert hydraulic energy into maximum closing force with superior efficiency.



LARGER EFFECTIVE AREA

Optimized internal geometry increases the effective piston area for more power.



OPTIMIZED OIL FLOW

Internal channels and valves ensure a smooth, balanced oil distribution.



FASTER RESPONSE

Reduced internal friction and improved sealing deliver a quicker cycle time.



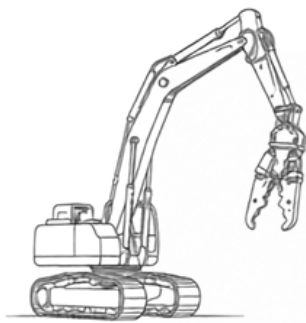
HIGHER CLOSING FORCE

More of the hydraulic energy is transformed into usable crushing force.



DemaPower 2.0 converts hydraulic energy into **usable crushing force more efficiently** than conventional systems.

NEED A DEMAREC?



DRS 90C



DRS60 A



DRP 30



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+39 3357574116



DCC 30C