

# Cracking Mill. **OLCC.**



# High Performance Cracking Mill OLCC.

## Ease of maintenance redefined.

The high performance cracking mill OLCC is the newest Bühler innovation for optimal processing of oilseeds and various applications in the feed milling industry, providing an unrivaled ease of maintenance, full automation control as well as highest throughput rates.

### Application.

The Bühler OLCC is designed with the oilseed and feed industry in mind. Its main applications are oilseed crushing, extraction meal grinding as well as crumbling of feed pellets and multistage grinding applications.

### Operational efficiency made easy.

The thoughtfully operator-oriented design of the OLCC combines highest throughput rates and comfortable means of maintenance and operation. The throughput is precisely set by either a manually or electronically adjustable feed gate, evenly feeding the product between counter-rotating rolls with a diameter of 400 mm. A fully customizable configuration of differential and tip speeds, roll corrugations and material hardness grades guarantee an optimal product intake and most efficient operation. Granulation can easily be adjusted by either a manual or electronic roll gap adjustment.



The optional Smart HMI allows for full local and remote control over all key functions, providing extensive automation and monitoring possibilities and therefore enabling full integration of the OLCC in your personal process and automation landscape.

### Safe mechanics, highest uptime.

The OLCC features strong permanent magnets underneath the feeding roll, reliably removing ferrous particles from the product stream. For non-magnetic foreign objects that intruded the upstream process, pre-tensioned disk springs safeguard the rolls from potential damage. During planned as well as unplanned machine stops, the rolls disengage automatically to prevent product blockage and potential damage. Operation can immediately be resumed without needing to clean out the roll nip.

### Advantages:

- **Lowest operational costs, highest availability**  
Roll replacement in just 2 hours per roll pair.
- **Full automation and monitoring**  
Smart Control Box allows for full local and remote control and monitoring of all central machine functions, settings and sensors.
- **Highest throughputs**  
Powerful motors, large rolls and an energy-efficient transmission allow for highest throughputs.

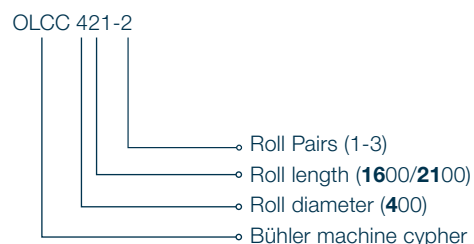
# Roll replacement in just 2 hours. Maximized machine availability and performance.

Thanks to a first-in-class roll connection and unique power transmission technology, the OLCC Cracking Mill allows for a fast roll replacement in just 2 hours per roll pair.

During operation, the installed rolls act like regular all-in-one-rolls, transferring highest power rates up to 55 kW and withstanding the harshest of processing conditions. When removing the rolls however, the roll shell is detached from the shaft, allowing to extract just the shell from the machine. The complete transmission assembly, including roll shafts, bearings and pulleys remain protected inside the machine. This not only saves precious time while performing a roll replacement, but also minimizes costly handling weight.



## Specification key



## Technical data OLCC:

		416-1	416-2	416-3	421-1	421-2	421-3
<b>Roll Pairs</b>		1	2	3	1	2	3
<b>Dimensions</b>							
Width	mm	2793	2793	2793	3290	3290	3290
Height	mm	1248	1948	2648	1248	1948	2648
Depth	mm	1666	1666	1666	1666	1666	1666
<b>Net weight</b>							
<b>Rolls</b>	kg	5100	9650	14200	5800	11000	16200
Diameter	mm	400	400	400	400	400	400
Length	mm	1600	1600	1600	2100	2100	2100
<b>Motor (50Hz)</b>							
Main Drive	kW	37/45/55	37/45/55	37/45/55	37/45/55	37/45/55	37/45/55
Feeding Drive	kW	0.75	0.75	0.75	0.75	0.75	0.75

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