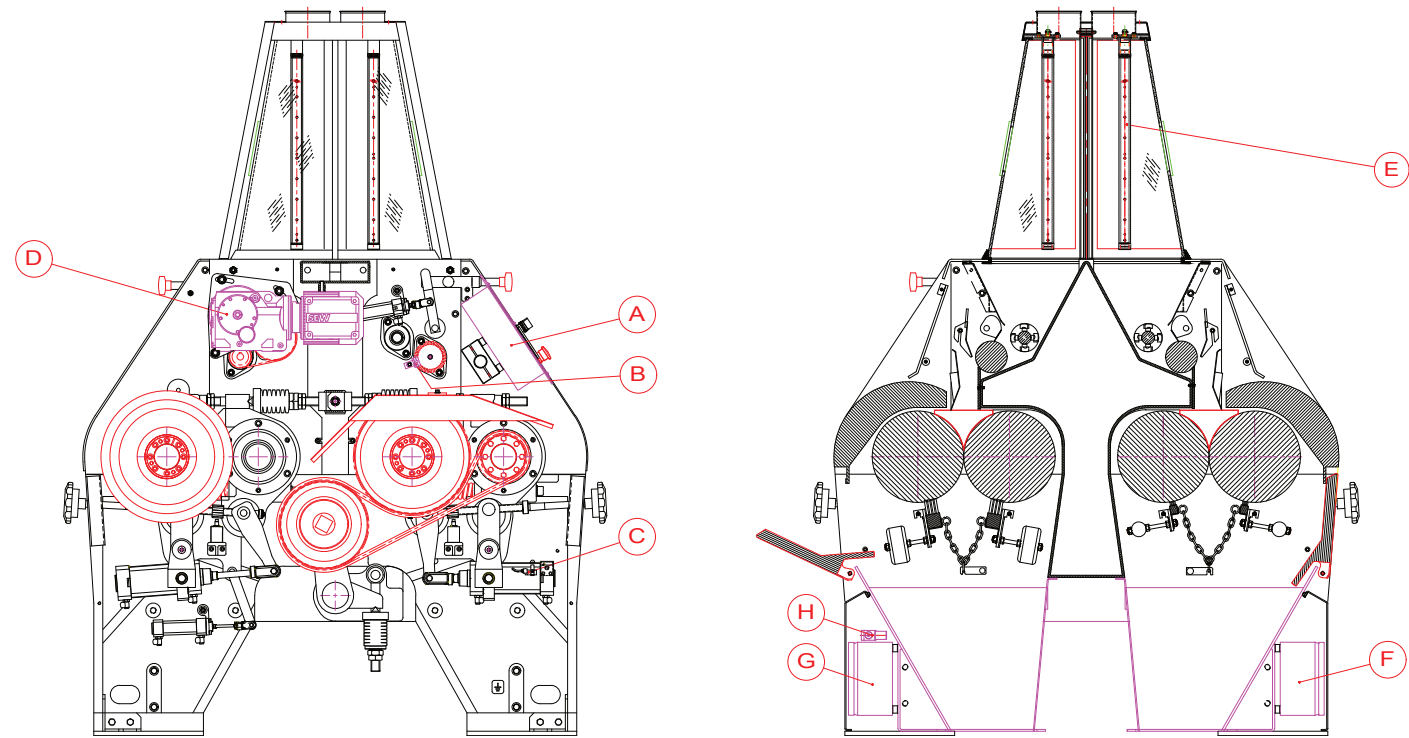


Key components.



A	User interface panel (2)
B	Feed roll speed sensor (2)
C	Piston position sensor (optional)
D	Feed roll gear motor (2)
E	Infrared level probes
F	Power panel (B side)
G	PLC panel (A side)
H	Engage-disengage solenoids (2)

Technical and Dimensional data are indicative only. They may be changed at any time, without notice, for market compliance, technical and manufacturing reasons.

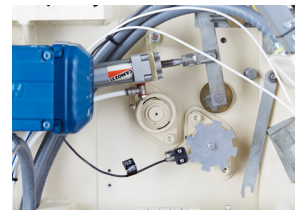
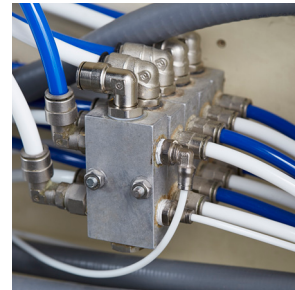
GL3V ROLLER MILL CONVERSION



Why the CETEC GL3V conversion?



Machine Details.



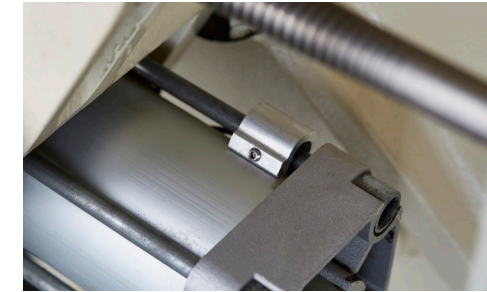
The CETEC developed GL3V conversion kit is designed by millers, for millers. Its components are top quality, reliable and durable. The kit is simple to install, coming largely pre-wired with rated dust proof quick connect plugs to facilitate installation.

The kit is installable on a roller mill in 6 – 8 hours, depending on experience. CETEC technicians can help in the first (or all) installations, and train mill maintenance staff to perform the kit installation on maintenance days.

Description.

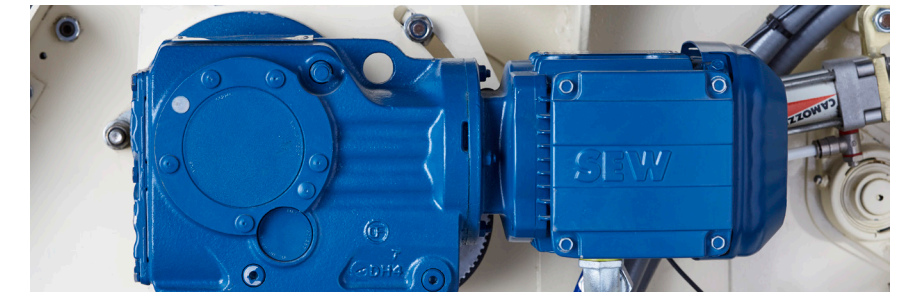
The GL3V roller mill was manufactured in Padova, Italy, from 1991 until 2001, in various versions. The machine was sold in many countries, with great success, and many of these units still remain in operation today. It was the first production roller mill to have a "gull-wing" opening top offering easy access to rolls for fast roll changes. It was also the first roller mill to offer variable speed feed rolls.

The roller mill was produced initially as a fully electronic machine, and later as an optional pneumatically controlled machine. Both versions



survive today, with the electronic unit being the most popular and prevalent of these. Unfortunately, the electronics were custom designed and produced for the machines, and the various PC boards and components of the control system are no longer readily available. The pneumatic version was less reliable and hard to set up.

Mechanically these machines have proven to be extremely reliable work horses, and are well appreciated by the millers that use them.



To keep these units in top operating form, CETEC has developed a conversion kit, to update the GL3V to 21st century electronics and on-board components. These updates include a touch screen control interface, variable speed electric gear motors, infrared feed sensor, and a PLC panel to replace the old control system.

CETEC produces kits for all the different versions of the GL3V, including the pneumatic, electronic, and double-high machines.

Features.

- Allen Bradley PLC.
- Touch screen user interface.
- SEW feed roll gear motors.
- Custom fabricated control panels.
- Infrared level probes.
- On-board variable frequency drives.
- Ethernet ready for mill integration.
- Remote access via internet/html.
- Stand alone operation or plant integrated.

Options.

- Feed roll speed sensor for units that did not have this as standard.
- Roll piston position sensor for units that did not have this as standard.
- On-board or remote VFD's (inverters).
- Single or double side control.

Benefits.

- Readily available spare parts.
- Reliable.
- Customizable.
- Extends life of existing capital equipment.
- Durable.
- All components fit within existing machine.
- Stabilizes mill.
- Resolves stand deficiencies.