

Pentruder MDU3065 Drill Motor

A NEW SET OF RULES NOW APPLY TO CONCRETE CORING! ONE DRILL MOTOR DOES IT ALL!

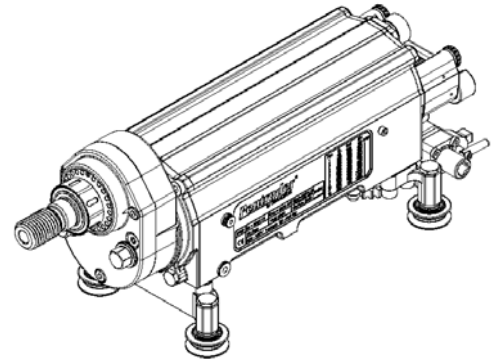
The new Pentruder MDU3065 offers outstanding features:

The new MDU 3065 offers an outstandingly wide speed range and covers more than 90% of all common drill tasks.

- There is no frequency inverter box needed! The Pentruder MDU3065 can be run on both 1-phase and 3-phase power supply. To switch between a 1-phase and a 3-phase power supply, all that is needed is an adapter cable, which makes it possible to use only one drill motor for most tasks.
- The MDU3065 offers 3.0 kW continuous duty output power on 220-240 Volt 1-phase power and 6.5 kW continuous duty output power on 350-480 Volt 3-phase power. Only 16 Amp fuses are needed.
- Very wide spindle speed range, 100 – 1440 rpm.
- Three different spindle gearboxes, which can be exchanged in less than one minute, are available for a maximized speed range:

SL-type:	100-450 RPM.	Max Ø 600 drill bit, Ø 750 with spacer block
SM-type:	200-900 RPM.	Max Ø 350 drill bit
SH-type:	320-1440 RPM.	Max Ø 350 drill bit

- With a turn knob 15 different electronically controlled spindle speeds can be set. There is also a torque limited Reverse Gear for threading off the drill bit or extension rod.
- Very rigid spindle bearing. The spindle is running on two pre-loaded adjustable SKF taper roller bearings which give no play. The rigid arrangement makes approach and drilling easier.
- When the MDU 3065 drill motor is used with the Pentruder feed gear and roller unit it is run directly on the well proven Pentruder wall saw track, without an intermediate carriage. This concept saves weight and offers extraordinary stability.
- The user interface is intuitive and easy to understand. Two push buttons and two turn knobs is all which is needed also in the version with automatic feed. High intensity LED's show voltage, identification of immobilizer key, load and fault indication.
- Every drill motor has its own unique "immobilizer key", just like a car. The key has to be put in the key whole before the machine can be started.



- All Pentruder MDU3065 drill motors are prepared for Autofeed and can easily be upgraded with this feature. The Autofeed works in all directions, vertical down, vertical up, horizontal and all positions in between.
- With an Amperage turn knob the desired Amperage draw can be set both in Manual and Automatic feed mode. In the manual mode the Power LED will start flashing when the set limit is reached. In the Autofeed mode, the Autofeed will control the feed rate to achieve the set Amperage draw.
- The spindle gearbox can swivel 360° for better accessibility and simplified set up. This feature is patented.
- The electronic module is composed from top quality components like a military grade frequency inverter especially developed for the MDU3065 drill motor.
- An EMC-filter is applied for reduction of noise to the mains and the drill motor is protected against over temperature and over voltage.
- The drill motor is insensitive for fluctuations in voltage and frequency and accepts a very wide voltage range, 200 – 500 V and 100 – 250 V for USA, UK, Japan and some other countries in the previous British Commonwealth. The whole unit is built to meet the IP67 demands and is thus water proof for overhead wet drilling.
- A highly reliable slip clutch system will make service intervals longer. When it is time for service this will be indicated by the service indicator on the drill motor.
- Simple to use software, which is included with all motors, will make it possible for the owner to keep track of performance, service intervals and operating data.
- Build to last! Only best quality materials and components are used in the Pentruder MDU3065 drill motor.
- 300 hours service intervals increase the accessibility and reduce service costs.

As a “newcomer” in the electric drill motor market, Tractive has aimed at designing the MDU3065 drill motor to be the most reliable, productive and versatile drill motor available on the market. After an extensive development and test phase, first deliveries of the motor will now start to take place.