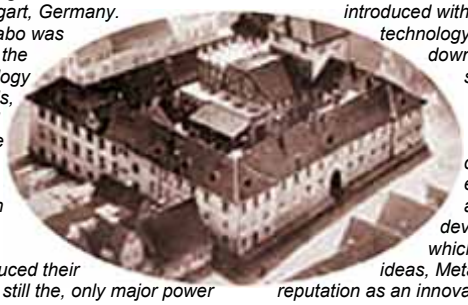
metabo

A HISTORY OF FIRSTS

Overt 80 years ago, three engineers in a small town in Germany were experiencing extreme frustration. No one in Germany or beyond produced a hand drill that met their high standards of quality and reliability. So they started a company, called it 'Metabo' (short for metal boring), and produced their own.

Their first workshop – now a modern factory complex – was in Nürtingen, a small town near Stuttgart, Germany. Soon, Metabo was pioneering the New technology of electric drills, and produced their first ~ the famous '750' ~ in 1934. This was a 100 watt, 5.51b tool which built a reputation for extreme reliability.



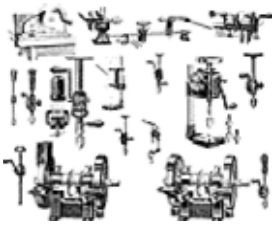
By 1936, Metabo had produced their First geared chuck (they're still the, only major power tool company who design and build their own chucks) with a bench grinder following a year later.

Twenty years on, the company invented the world's very first hammer drill, along with a chuck that would reliably endure the furious beating delivered by the tool. The patented S- automatic safety clutch (which has saved hundreds of thousands of fingers and wrists, plus millions of bits and material) followed in 1966, and is now routinely fitted to most Metabo tools.

Over the next three decades, a series of patents and inventions established Metabo as technical innovators, as well as uncompromising sticklers for quality. These included the first thousand watt hammer drill, the first cordless jig saw with orbital action, the first armature protection grid and the first (and only) microchip-controlled 10 minute cordless battery, charger.

In 1990, the 'Quick' no-tool wheel change system for smaller grinders was introduced, followed by, the world's first tools with the 'Impuls' feature. In 1998, hammer drills and rotary hammers were introduced with unique Contact' technology, shutting the tool down instantly should the bit strike grounded or electrically live material.

With computer aided design, more and more electronic sophistication and a research and development department which constantly creates new ideas, Metabo has an enviable reputation as an innovator. But an obsession with quality ~ the motivation for the company's very first product is still paramount. As one of Metabo's founders, Walter Raüch, was fond of saying "It's a lot cheaper to build it right in the first place".■



1928 - The first bench drilling machines, hand sanders, braces, the first universal drill, sanding and polishing machines equipped with circular saws. The total product range consisted of 47 different machines.

1934 Circa: Metabo's first power drill.

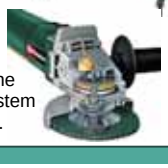
1936 - The first geared chucks are manufactured.

1957 - The first hammer drill from Metabo.

1966 - Development of the Metabo-S-automatic safety clutch.

1969 - The first hammer drill with electronic speed regulation.

1996 - 1998 Development of Impuls & Contact technology.



1988 – Development of the Metabo Quick System for angle grinders.

3 years warranty is available *by registering on-line www.metabo.com/xxl

Commonly Used Feature Symbols

Double Insulation
Double insulation protects against electric shock by creating a non-conducting barrier between the operator and the electric components inside the tool.

Winding Protection Grid
Deflects harmful airborne debris away from armature windings. Increases life of motor up to 5 times.

Long Lasting Motor
Its special winding protection makes it extremely resistant to destructive grinding dust. The epoxy resin powder coating on the field coil, which is free of air inclusions, helps prevent overheating of the motor under heavy loads.

Electronic Winding-temperature Monitor
If the temperature of the windings should approach the maximum permissible value, a light signal flashes to give warning of impending overload.

S-automatic Safety Clutch
For protection against kick-back which can occur if the bit jams on a nail or other obstacles in the work piece.

Metabo Impuls Technology
This clever "starting aid" enables tight screws to be easily driven or removed even if the screw heads are damaged. The Impuls feature also enables drilling of smooth surfaces without center punching.

Metabo CODE!
All Metabo power tools incorporating the CODE! electronic anti-theft protection system can be disabled and protected against unauthorized tampering and use. You can protect all your Metabo equipment incorporating the CODE! facility using just one CODE! key.

Vario speed (V) Full-wave Electronic Speed Control.
The speed can be infinitely varied from the lowest speed value to the maximum. The speed reduces with increasing load. The lower the selected speed the quicker the tool comes to a stop.

Vario Constamatic (VC) Full-wave Electronic Speed Control
The speed can be infinitely varied from the lowest speed to the maximum. The speed remains constant under moderate load and only drops under heavy load.

Vario Tacho Constamatic (VTC) Full-wave Electronic Speed Control The speed can be infinitely varied from the lowest value to the maximum. The speed at rated load, even under heavy operating conditions and at very low selected speeds is equal to the no-load speed.

Orbital Saw-blade Movement (for either 4 stage or 5 stage)
The orbital saw-blade movement has three advantages:
•Works faster because the chips are cleared more efficiently from the teeth •less force needs to be applied. • longer work life because saw-blade is lifted away from the work on the non-cutting downward stroke

SWITCH-OFF VIA TORQUE AND/OR DEPTH STOP
Unique: The DWSE6.3 (Screwdriver) features torque switch-off and also depth-stop switch-off.

Metabo "Quick" Rapid Tool-Change System
No tool required, allows fast and easy tooling changes. (Symbol used as appropriate for application)

Twister Handle
The Metabo twister rear handle turns 90 degrees in either direction, without tools.

*After registration, your normal warranty is simply extended to 3 years from the date of purchase.