Universal sharpening machine for carbide-tipped circular saw blades up to diameter 840 or 1300 mm
CIRCULAR SAW // TOOTH FACES AND TOOTH TOPS

THE VERSATILITY OF A NEW GENERATION

FOUR CNC-CONTROLLED AXES FOR ACCURATE GRINDING OF NEARLY ALL TOOTH GEOMETRIES IN ONE CYCLE.

INGENIOUSLY SIMPLE OPERATION WITH INNOVATIVE MULTIFUNCTION HANDWHEEL AND A GROUND-BREAKING MACHINE CONCEPT WITH PROGRAMS USED IN THE WOOD, ALUMINIUM, PLASTIC AND A WIDE RANGE OF METAL APPLICATIONS.

THE RESULT: THE PERFECT COMBINATION OF PRECISION AND PRODUCTIVITY WITH MAXIMUM FLEXIBILITY.

FOR THE UNIVERSAL MACHINING OF CARBIDE-TIPPED CIRCULAR SAW BLADES WITH A DIAMETER OF 80 MM TO 840 OR 1300 MM

CHP 840 and CHP 1300
ONE FOR ALL. ALL IN ONE.
THE MACHINE CONCEPT

The CHP series is ideally equipped for sharpening carbide-tipped circular saw blades. Offering versatility that leaves nothing to be desired, yet with numerous options.

- Four CNC-controlled axes for the complete machining of all commonly used tooth geometries in just one cycle – even for saws with axial angle and group toothing.
- Oscillation grinding as standard – for high material removal rates in just one cycle, e.g. when machining teeth for repair.
- Motor-driven hook and clearance angle adjustment for rapid switchover from face to top grinding.
- Optimum movement coordination for short grinding times and reduced non-productive times.
- Consistently hydraulic-free – extremely low-maintenance.
- Automatic central lubrication included in the basic equipment for reduced maintenance effort.

APPLICATION

Saws for the saw mill industry, solid wood processing and furniture manufacture.

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TOOTH TOP MACHINING

on chipper segment from the saw mill industry.

HOLLOW FACE MACHINING for excellent results in furniture manufacture.

Saws for the saw mill industry, solid wood processing and furniture manufacture.

The name VOLLMER guarantees process reliability and stability. Thanks to the diagonally integrated feed pawl with pneumatic lift, even chipper segments present no problem – even if these are screwed with or without a reinforcing ring onto the mounting devices manufactured specially for the purpose, often also with filler pieces in order to fill up the gaps in the body.

- Wide-opening blade clamping mechanism for saws with collar or reinforcing ring.
- Optional second feed pawl for machining tooth pitches up to 180 mm.
- Optional hollow face grinding device for machining hollow face saws.
- Adjustable grinding barrel for chip breaker machining for more flexibility.
- Software for negative tooth face geometries and chip breaker machining as standard.

CHIP BREAKER MACHINING ON HSS SAWS

with 50 mm grinding wheel.

CHIP BREAKER MACHINING

with 125 mm grinding wheel.

NEGATIVE HOOK ANGLE

TOOTH SHAPE EXAMPLES

Machining of saws with chip guiding notch.

OPTIONAL CHIP BREAKER NOTCH

Matching of saws with chip guiding notch.
CIRCULAR SAW // TOOTH FACES AND TOOTH TOPS

6.5.3 Werkzeug-Adaption

Die Schleifscheiben werden auf einem Aufnahmeflansch montiert, auf dem sie bis zur kompletten Abnahme der Schleifscheibe durch die Abnutzung nach und nach egalisiert.

6.5.4 Werkzeug-Referenzierung

Damit die geforderte Zahngeometrie korrekt auf den positionierten Zahn geschliffen werden kann, muss die Position des Schleifscheibenbelags durch die Messeinrichtung manuell ermittelt und in die Maschinensteuerung eingegeben werden.

Skizze (Beispiel)

Die Aufnahmeflansche dürfen keinerlei Beschädigungen aufweisen und müssen bei der Montage der Schleifscheiben absolut sauber sein.
/// SERVICE THAT IS MADE TO MEASURE

With a comprehensive range of helpful and efficient services, VOLLMER is there to provide you with support. From competent advice and the best financing for you, through to an advantageous service contract that allows you to decide now which service costs you will have to pay in the future.

In short: We do everything so that you can concentrate on what's important: Your success.

/// Extensive advice and project planning
/// Financing and insurance
/// Training and start-up
/// Maintenance and service
/// Original spare parts
/// Upgrade and software
/// Purchase and sale of used machines

/// MORE PRODUCTIVITY
Optimised grinding times, maximum machining precision, exemplary operational convenience – for workshop-oriented working.
Your bonus in terms efficiency and precision.

/// INCREASED COST EFFICIENCY
A lot of performance at very reasonable conditions.
Manageable investment – high profitability

/// INCREASED FLEXIBILITY
Four CNC axes. Machine all tooth geometries in one cycle – even with metal applications.
That gives you even more opportunities.