

Aggregate technology - made in Germany



Drilling



Milling



Sawing



Grinding



Scribing



Planing



Brushing



Stemming



Aggregates

An angular aggregate, or angle head, supports the functionality of a CNC machine and acts as an extended arm of the motor spindle. Aggregates extend the machine-side machining capabilities of 3-, 4-, and 5-axis machines. Tools can work horizontally or at any angle, even when space is limited.

Use of aggregates offers cutting, grinding, probing, indenting, doweling, gluing, and many other processing methods in addition to "rotating" machining processes such as routing, drilling, and sawing, ...



Modularity

... often in use

Modularity for Greater...

... Adaptability

The design is completely adapted to the application area.

... Cost-efficiency

Optimally coordinated components provide for the maximum possible service life.

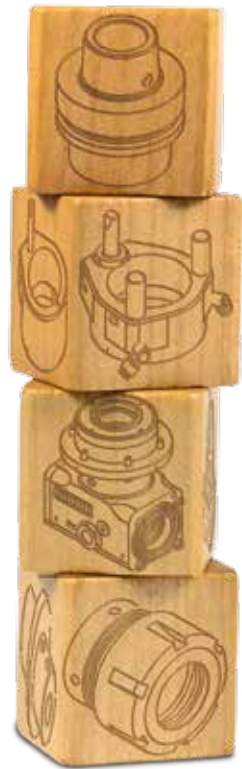
... Flexibility

Subsequent configuration of the machine connection is possible at any time.

Requirements and applications differ from one production facility to another. ATEMAG fine-tunes the solutions to match them perfectly.

In our initial meeting, our experts ask about the CNC machine, the material, the application, and the desired machining result. The aggregate is configured and assembled based on these specifications.

The modular design of our CNC aggregates offers numerous significant advantages. The main one lies in the individual adaptation. In our craft production facility, the aggregates are designed for the application area with the components needed for the application and the CNC machine.



5-Achs & Aggregat

Time savings through elimination of tool change

Compensation for unevenness & thickness fluctuations

Gentle force application for high torques

Groove routing for CLAMEX connectors

Time savings through drilling of multiple holes in a single stroke

Underside machining & corner notching

VARIO CLASSIC SMART LINE



CNC aggregate with angle adjustment from 0° to 100° via vernier scale and pivot arm for flexible use, even in compact machines.

MONO FUNCTION LINE



Classic angle head with one horizontal tool output for challenging machining processes.

QUATTRO FUNCTION LINE



Angle head with four horizontal tool outputs for flexible and challenging machining processes with no tool change.

EXTRA FUNCTION LINE



Lockset recess aggregate with two horizontal tool outputs specifically for lockset recess routing or baluster hole drilling.

MONO LOW LEVEL FUNCTION LINE



Nesting aggregate for efficient drilling of holes for dowel joints in body elements thanks to especially compact design.

DUO SMART LINE



CNC aggregate with two horizontal tool spindles – also ideal for compact machines.

MONO FIX FUNCTION LINE



MONO FUNCTION LINE with customized angle and one tool output – ideal for mitering..

VARIO VISO FUNCTION LINE



Machining aggregate with simple angle adjustment (0° to 100°) via fine gear and digital display – fast positioning at 90°, 45°, and 0°.

EXTRA PLUS FUNCTION LINE



Lockset recess aggregate with highspeed mechanism for getting the work done in record time.

HORI PRO FUNCTION LINE



Drilling aggregate for economical drilling of corner hinge holes in window construction with a high feed rate of 5 m/min.

SOFT GRINDER SMART LINE



Eccentric sander for sanding or polishing work on CNC machines or robots on surfaces and edges – also suitable for free-form surfaces.

DUO FUNCTION LINE



Angle head with two horizontal tool outputs for flexible and challenging machining processes with no tool change.

SOTTO FUNCTION LINE



Underside aggregate for routing and drilling on cantilever machines without board reclamping – precise and efficient.

EXTRA 2 FUNCTION LINE



Corner notching / underside machining on 5-axis machines in tight spaces without board reclamping.

VERTINEO FUNCTION LINE



All-in-one drilling aggregate for Cabineo connectors. Drilling of three holes in just one work step with a precise and repeatable hole pattern.

SOFT TOUCH PRO FUNCTION LINE



Floating aggregate for constant and defined machining depth despite clamping unevenness and thickness fluctuations. Routing, drilling, grinding, profiling, and sawing with surface probing (vertical and horizontal).

SOFT TOUCH ONE FUNCTION LINE



Floating aggregate for constant and defined machining depth despite clamping unevenness and thickness fluctuations.

SOFT CUTTER PRO FUNCTION LINE



Aggregate for cutting soft materials such as honeycomb core, acoustic elements, and textiles through the use of oscillating movements. Via the oscillating blade movement, either straight or radius cuts are made.

TOOL HOLDER WITH CHIP DEFLECTOR PLATE



Transports chips generated during machining directly to the machine extraction system via the deflector plate. Minimizes chip generation on the workpiece and provides for a dust-reduced and more comfortable work area.

VERTI FUNCTION LINE



Multispindle drilling head for economical drilling of numerous holes or complex hole patterns in just one machining stroke.

We machine EVERYTHING



where needs find solutions. With our craft production facility, we at ATEMAG can offer customers individual solutions with the highest quality – #madeingermany.

Our development and design team works with the customer and the customer's partners from the initial idea to the finished product to develop specific and one-of-a-kind products – even with a parts volume of one.

Custom-made aggregates are part of our core business, so we can often come up with concrete implementation ideas right in the initial meeting. ATEMAG is represented in numerous different industry sectors and provides innovative solutions for realizing challenging processes.

INDUSTRY 4.0 IN THE AGGREGATE

With AC 4.0 technology, a chip is attached directly to the aggregate that transmits aggregate process data directly to the user in real time.

AGGREGATES FOR CONTINUOUS OPERATION

Each ATEMAG unit is handmade and designed for continuous use.

SMOOTH RUNNING, STABILITY AND LONG SERVICE LIFE...

... through the use of curved and ground bevel gears.

HANDMADE IN GERMANY

In the aggregate manufactory, the individual components are adapted to each other and individually handcrafted to meet the customer's requirements.

SUSTAINABILITY FOR MORE QUALITY

The value chain is important to us. That is why we source 95% of all components from our region from selected suppliers and long-term partners.

RELIABLE SUPPLIERS

We know our suppliers and draw the benefits from years of cooperation.

SPECIFIC AGGREGATES FOR INDIVIDUAL PROCESSES

Our development team designs solutions tailored to the users needs in consultation with the customer.

TECHNICAL SUPPORT & SERVICE FROM

Our service professionals repair and maintain not only ATEMAG branded aggregates but also most of the aggregates of other manufacturers.

DIGITAL FINGERPRINT

Each aggregate is evaluated in the test stand before leaving our factory and the data is digitized. This is how we guarantee our high quality standard.



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