

Sawing plant CSA 598



In **5** steps
from the raw slab
to the finished workpiece

Sawing plant CSA 598: Continuous Workflow

Creativity and know-how are our hallmarks. Innovative technology characterizes our plants and machines for the industrial production of kitchen counter tops, solid construction elements and monuments. We are therefore the partner you can trust in meeting your assignments!

Sawing plant CSA 598 - In 5 steps to the finished workpiece

1. Scanning

A high-definition digital camera scans the raw slabs.

2. Sectioning

The user-friendly software automatically determines optimized utilisation of the slab. This can be done before or after automatic in-feed of the slab. All job-relevant data goes along with each individual production step.

3. Cutting

The sectioned slab is automatically processed. The saw blade can be quickly turned through 360° resulting in extremely low non-productive times and thus maximum productivity. The integrated CNC control unit allows for diagonal cuts in every angle together with mitre cuts.

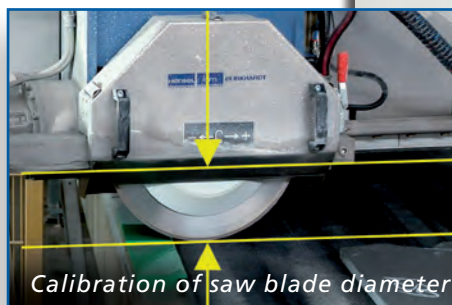
4. Manipulating

Suction devices arranged on the saw permit the workpieces to be manipulated: this totally precludes any contour offending cuts!

5. Reinforcing and drilling

Reinforcing slots and fixing holes are positioned custom-fit on the suctioned workpiece from underneath through a special sawing and drilling unit.

De-stacking: As an option, the workpiece can also be stored on a high storage bay and taken out again at a later stage for further work steps.

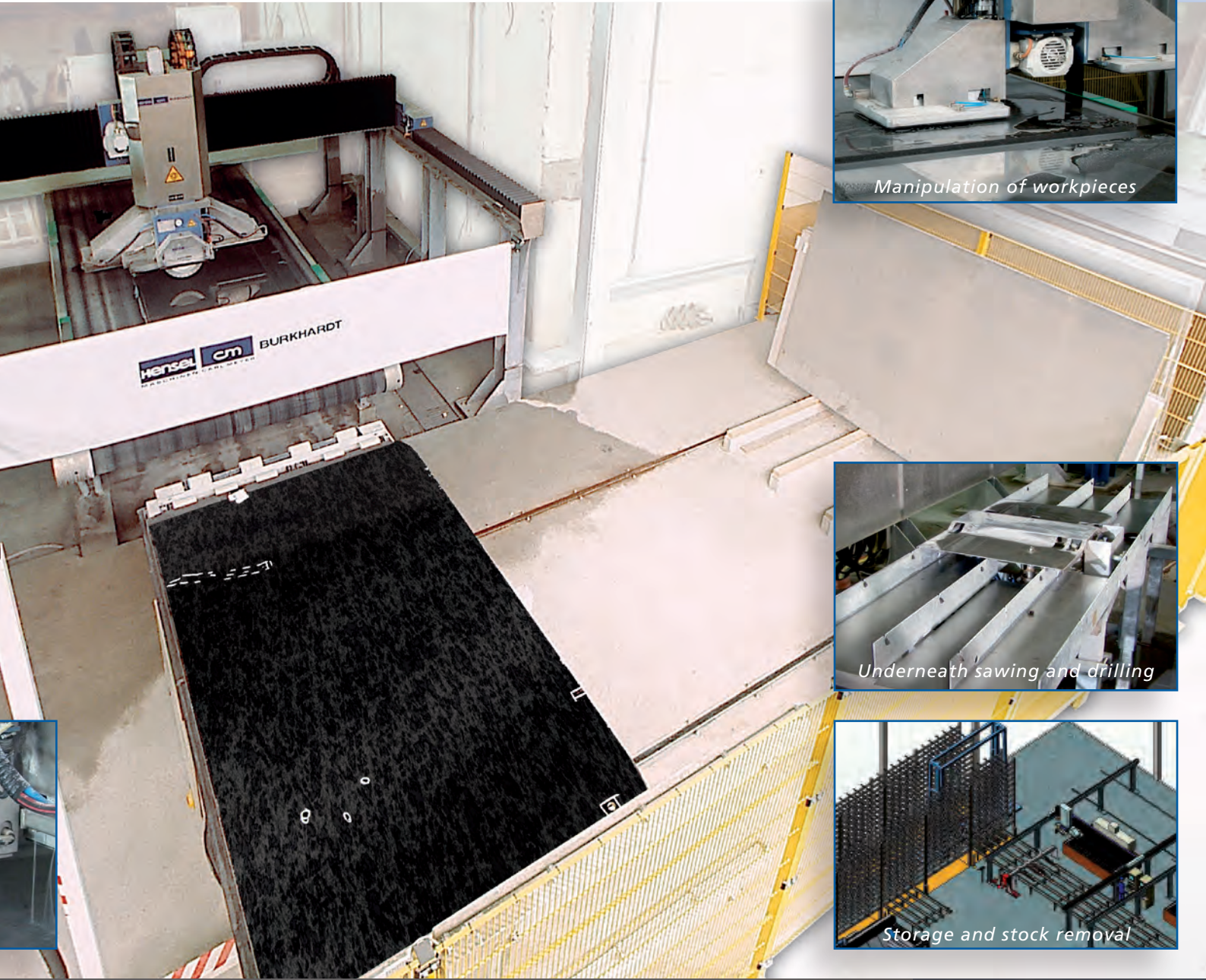


Technical data

- ▶ Suited for 400 mm saw blade diameter
- ▶ Equipped with a 360° rotary support (in 5 sec) for diagonal cuts
- ▶ Equipped with 46° swivel support for mitre cuts
- ▶ All axes equipped with servo drives
- ▶ CNC control type - SIEMENS
- ▶ Automated loading and unloading of workpieces
- ▶ Camera-based monitoring including software for optimum utilization of raw slabs
- ▶ Vacuum manipulator for collision-free cuts
- ▶ Optionally with stationary saw table or saw belt
- ▶ Integration of rodding and drilling unit on request
- ▶ High-bay storage integrated into an overriding order management system as an optional extension



Flexible: Always specific to the job



Water Jet - upgrading

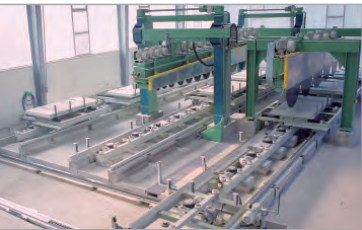
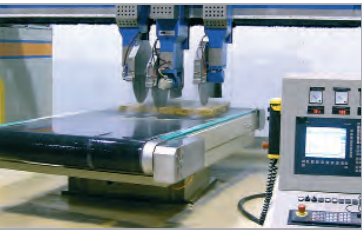
- ▶ 4000 bar high pressure pump
- ▶ Interruption-free and automatic separation of raw slabs in a continuous work flow
- ▶ Possible extension to up to 4 water basins

Our know-how – For any possible use

The know-how of our engineering department and the most up-to-date CAD workstations underlie the success we have with our concepts. Practically all components are developed and manufactured in our factory.

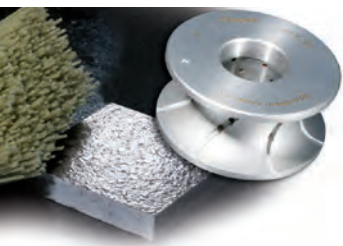


Carefully executed and on-schedule installation ensures that machines and systems always function reliably.



Our production range

- Gang saws
- Wire saws
- Block saws
- Bridge saws
- Multi-blade saws
- Multi-axes machining centres
- Universal radial arm machines
- Surface grinding machines
- Edge grinding machines
- Machines for processing contours
- Complete systems
- Tools and accessories
- Special machines for processing artificial stone and refractory material



Burkhardt GmbH
Rathenaustrasse 47
D-95444 Bayreuth
Phone: +49 (0)9 21/508-126
Fax +49 (0)9 21/508-170
info@burkhardt-bayreuth.de
www.burkhardt-bayreuth.de



BURKHARDT