

## Highest precision for punched and laser-cut parts

It is essential in the manufacturing of high-quality products to ensure best compliance with the increased demands placed on high-precision components.

For HA-BE, this also includes stress-free leveling of circuit boards. As a result, punched and laser-cut parts are leveled and almost stress-free within the shortest time. This makes subsequent processes such as welding, bending or metal-cutting manufacturing faster and more reliable. Therefore, HA-BE has recently put into operation - in addition to the four levelers already in use - the FlatMaster 55, a servo-hydraulic precision leveling machine from ARKU.



Cutting by means of thermal separation processes introduces a great deal of heat into the material. This causes edge tensions and hardening within the material, which may lead to distortions of the parts after cutting. During punching, the parts are deformed by the punching operation and internal stress in the material is released. Leveling of parts with the FlatMaster 55 is a quick and simple process, which increases process liability for subsequent processing steps and the quality of the components significantly.

Some information regarding the range of applications of the FlatMaster 55 is given below:

- materials with a thickness from 0.8 mm to 12.0 mm
- materials with a width from 100 mm to 1,250 mm
- processing of steel, stainless steel, copper, brass
- yield strength up to 800 N/mm<sup>2</sup>

With its manifold fields of application, this FlatMaster perfectly rounds off HA-BE's range of machines.

Your well-known contact partners and our head of production, Mr. Oliver Hampe (oliver.hampe@habe.de), will be happy to answer any questions you may have.