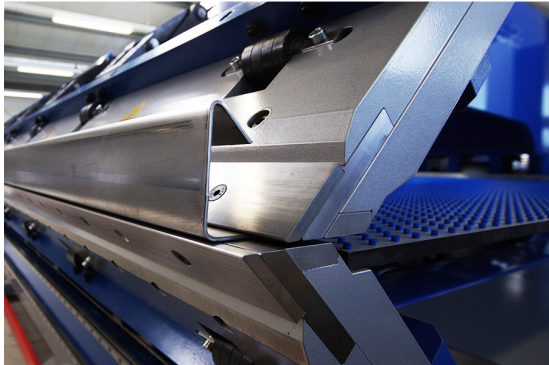


New Variobend flagship

Twin bending machine convinces with its bending performance of 2.00 mm as well as with its numerous equipment features



Variobend up and down bending machine of type DB 2,0 are high-performance long-length bending machine fitted with two folding beams. Apart from its high bending performance of 2.00 mm in steel at 400 N/sqmm, DB 2,0 models provides numerous technical possibility which lives up to the trend in every respect to produce evermore precise bent parts. An outstanding feature is the electric clamp beam crowning. The fully-automatic crowning system eliminates overbending at the outer sides of the edge parts completely. This is achieved by positioning highly-precise servo drives independently from each other to each machine stand depending on type and thickness of material. If the user requests additional individual corrections, they can be carried out easily and very user-friendly by means of the Variobend touch control. This in turn guarantees bends, which independent of profile length and material have a constant bending angle across the entire profile length.

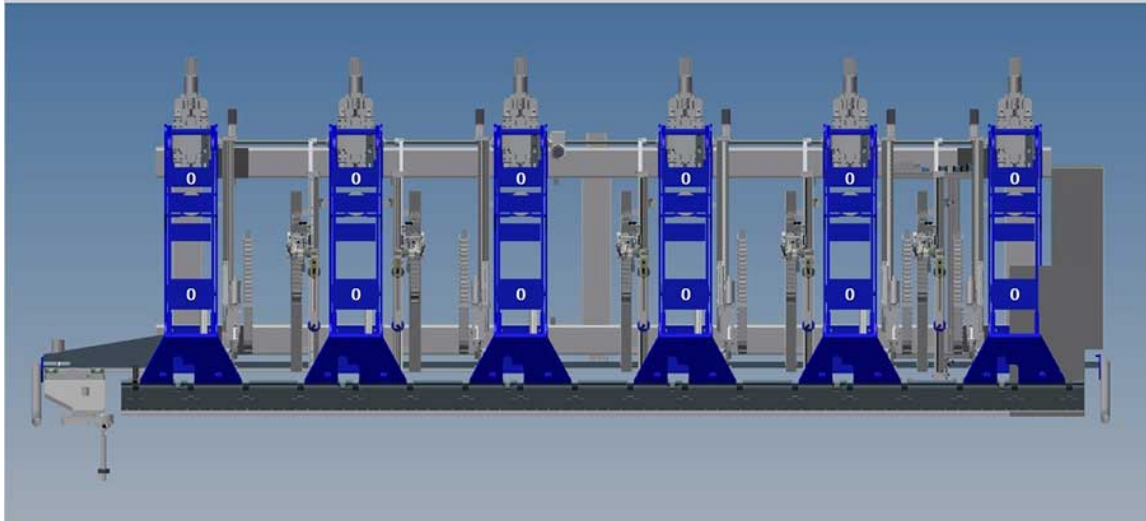
Flexible bending radii and high bending speed

Automatic crowning is used as radius adjustment at the same time. For this purpose, all machine stands are positioned parallel to the front or to the back, which in turn permits influence on the respective bending radius.

Thus, the system permits optional programming of wider or tighter bending radii. In addition, novel and extra-strong collect cylinders ensure the required pressure for tightening and closing of edges. The adjustable clamping pressure permits the material characteristic and material strength to be taken into consideration precisely.

Apart from the precision of the edge parts, the focus of every purchase decision is on the production time as well. For this reason, ASCO relies exclusively on servo technology for positioning the gripper stop in its Variobend up and down bending machines with a bending performance of 2.00 mm. The request for a quick and precise positioning system of the stops is granted perfectly in this way. Compared to conventional drive motors, the speed increase amounts to about 40 percent.

Another highlight of DB 2,0 models is the simultaneous control of three axes, which saves time considerably as well. During a change of the bending direction, for example, the required forward or backward movement of the clamping beam, the positioning of the depth stop and the closing of the clamping beam is carried out at the same time and in a correspondingly tight time slot. The dynamics thus produced render impressive and, in particular, quick movement sequences.



Variobend innovations, such as the tapered bending and stick together function of profiles, the large opening height of the clamping beam, the segmented bending and clamping beams made of high-strength steel as well as the patented bending system with its inclined bending beams belong to the basic equipment of each DB 2,0 model. The flipping device is available optionally for this model as well.

