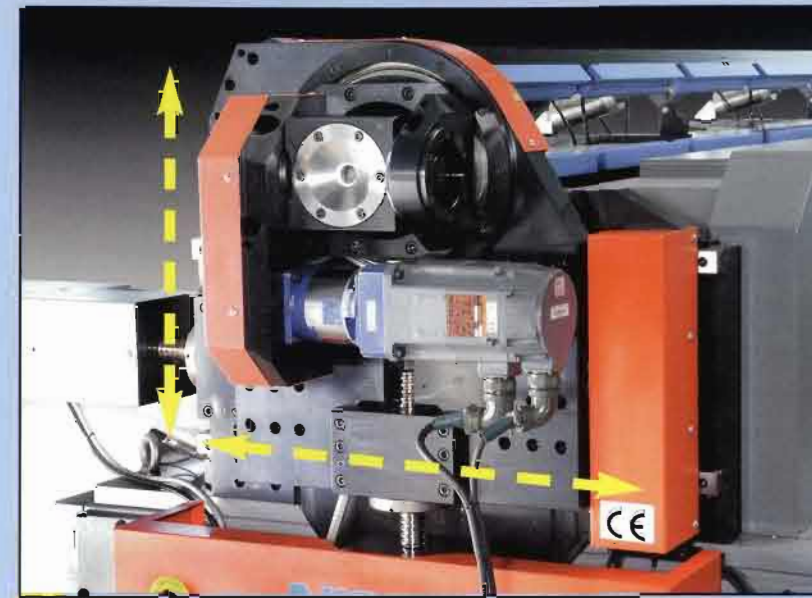


Patented Free-Form-Bending-System for symmetric and asymmetric tubes and profiles



By use of up to 5 CNC-controlled axes a simpler bending of asymmetric and thin-wall round tubes (even with mandrel) to complicated shapes is possible.

Time wasting auxiliary process times, like clamp OPEN or «bending arm back» at mandrel benders, are no longer necessary, because of the constant movement of all axis.

The bending section is securely guided by the die so that accurate roundness and a nearly untouched wall thickness are obtained. These attributes are important advantages for a following Hydro Forming Process.

The accuracy of repeatability and the constant quality of bending parts predestinates the NISSIN Bender for small series up to mass series production.



Three-dimensional bending parts with a polished surface and radius from 2 x Dia. up to ∞ for highest demands.

The NISSIN bender combines simple programming and high productivity. Beside the standard bends are sophisticated 3 D bending forms with different radii without straight length in between are produceable. And all this without any tool change!



Special Tools made of industrial ceramic does have an unbeatable edge life.

