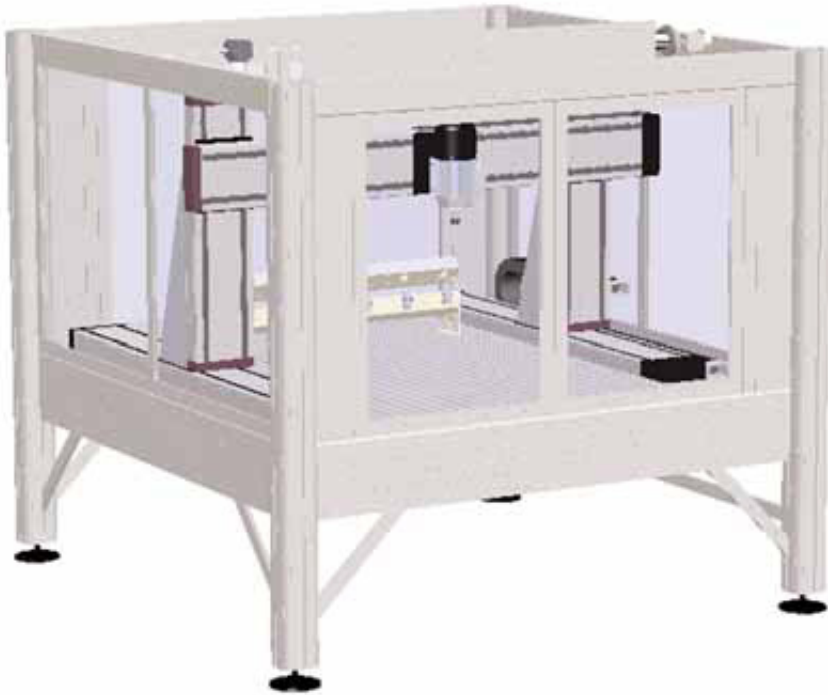


Double Z-axis / high gantry clearance



The GPY-series is a versatile machining solution offering large surfaces and large travel strokes. The unique isel modularity can realise innumerable combination on machine frame and linear axis sizes.

The difference in the GPY machine series is the availability of a double Z-axis and very high gantry clearance.

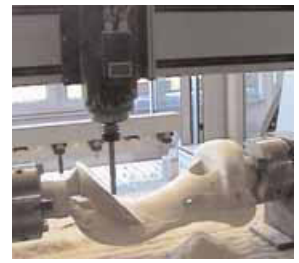
Recommended work materials include:

- aluminium
- plastics / milling plastics / ABS
- wood
- foam / styro foam
- gypsum / ceramics etc.

Recommended applications:

- series production
- rapid prototyping
- large / design model making
- woodworking
- laser digitisation
- copy-milling
- foam machining etc.

The GPY system guarantees maximum economy by most varied application ranges and is available with different auxiliary modules. Please ask our technical advisers on what type of system may best suit your specific needs.



Specifications:

<i>all units in mm</i>	<i>GPY 98/68</i>	<i>GPY 98/108</i>	<i>GPY 138/108</i>	<i>GPY 138/158</i>	<i>GPY 138/248</i>
travel stroke (X/Y)	980/680/580	980/1080/580	1380/1080/580	1380/1580/580	1380/2480/580
coordinate table (X/Y)	1250/1300	1125/1700	1500/1700	1500/2200	1500/3050
travel stroke (Z)	standard 8m/min, optional up to 25m/min (dependent upon application)				
Z gantry clearance	640mm				
dimensions (LxBxH)	2084/1584/1890	2084/1984/1890	2459/1984/1890	2459/2484/1890	2459/3384/1890
drive system	Servo				
linear guides	16x5 mm				
safety cover (optional)	sliding doors with safety circuit module				

Other unique features:

- High performance main spindle drive with 3,8 kW / 24.000 rpm or the new rotary / swivel head (4th / 5th axis) can be used by the very solid cross rail
- Space-saving sliding opening doors are installed as protecting covers
- Ballscrews with isel motors have a positional repeatability of +/-0.01mm
- The linear units are highly accurate with high torsion resistance with preloaded linear bearings and anti-backlash ballscrews assemblies
- The standard GPY units can be customised to suit special applications
- Accessories: Engraving & Routing Heads, Vacuum Base, Spray Misting etc.



Standard features:

- Protective cover conforms to CE Safety Standard with lateral sliding doors
- Gantry clearance: 640 mm
- Exclusively AC servo-drives in all axis
- Robust mechanical construction in industrial execution
- Ball screw 16x5 mm in X/Y/Z axis
- HMC 2000: very fast and easy to use control system on WIN 2000 base
- Expandable with the high performance spindle drive of 3,8 kW / 24,000 rpm

