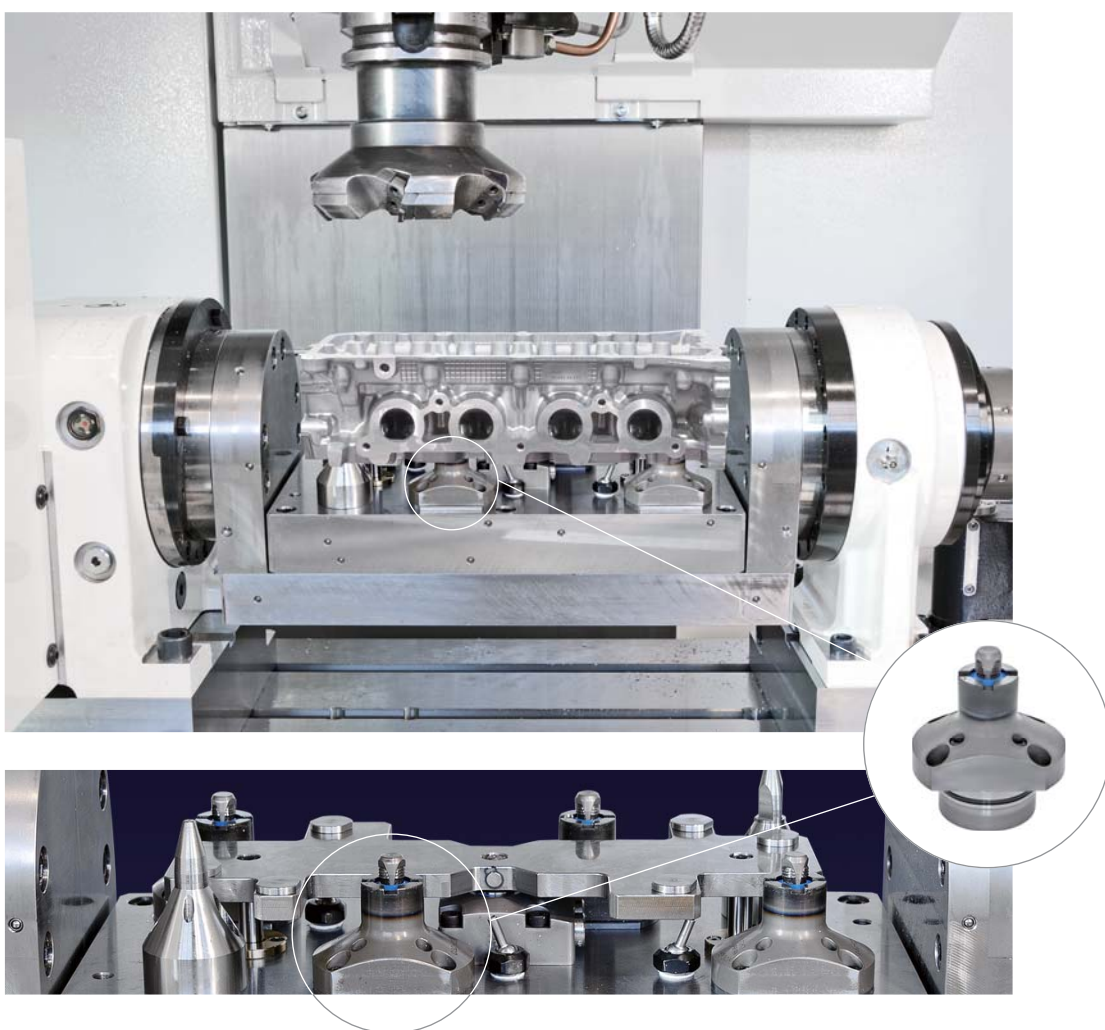


Expansion clamp

Products on site



Pascal
www.pascaleng.co.jp



Jig

CGC-N22E11×4

Standard diameter : $\phi 11$

Clamping force : 12.0 kN



Cylinder Head

Cast Aluminum

425×210×110 mm



Jig

CGC-N22E11×4

Standard diameter : $\phi 11$

Clamping force : 12.0 kN



Cylinder Block

Cast Aluminum

400×210×240 mm



Jig

CGC-N22E10×3

Standard diameter : $\phi 10$

Clamping force : 9 kN



Cylinder Head

Cast Aluminum

410×220×120 mm



Jig

CGC-N22E12×4

Standard diameter : $\phi 12$

Clamping force : 12 kN



Cylinder Block

Cast Aluminum

395×377×203 mm

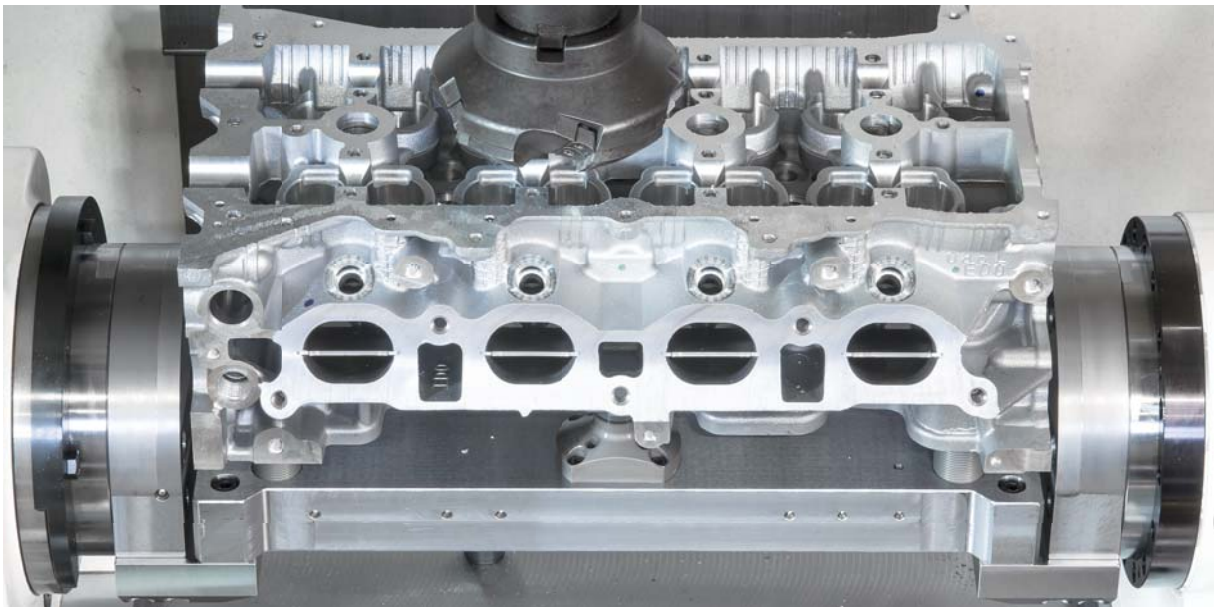


Cylinder head Machining Jig

CGC-N22E11×3 CSN00LB×2

Standard diameter : $\varnothing 11$

Clamping force : 9.0kN Support force : 4kN



Cylinder Head

Cast Aluminum

414×193×125 mm

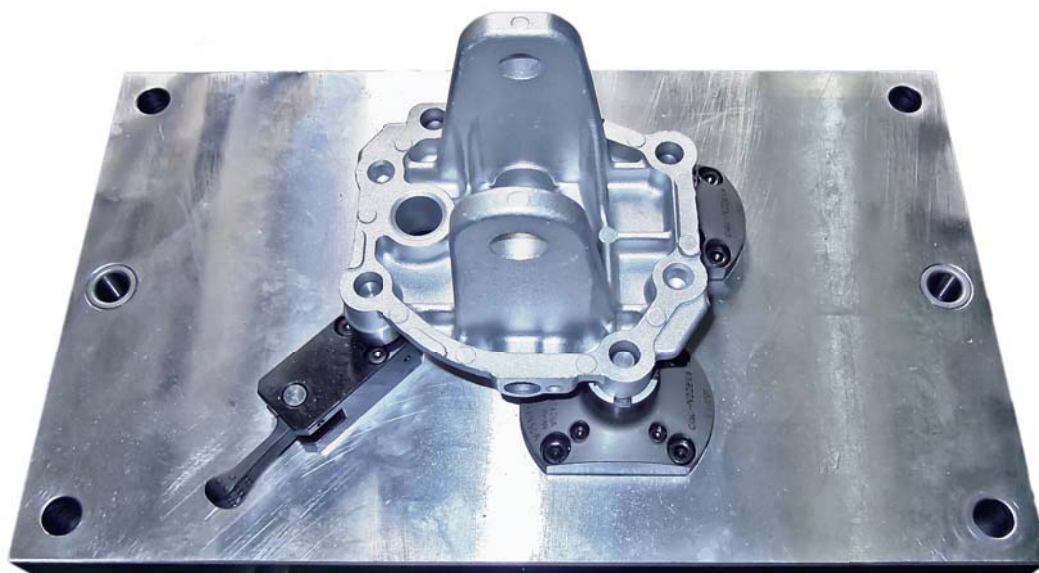


Machining Jig

CGC-N22E09×3

Standard diameter : $\varnothing 9$

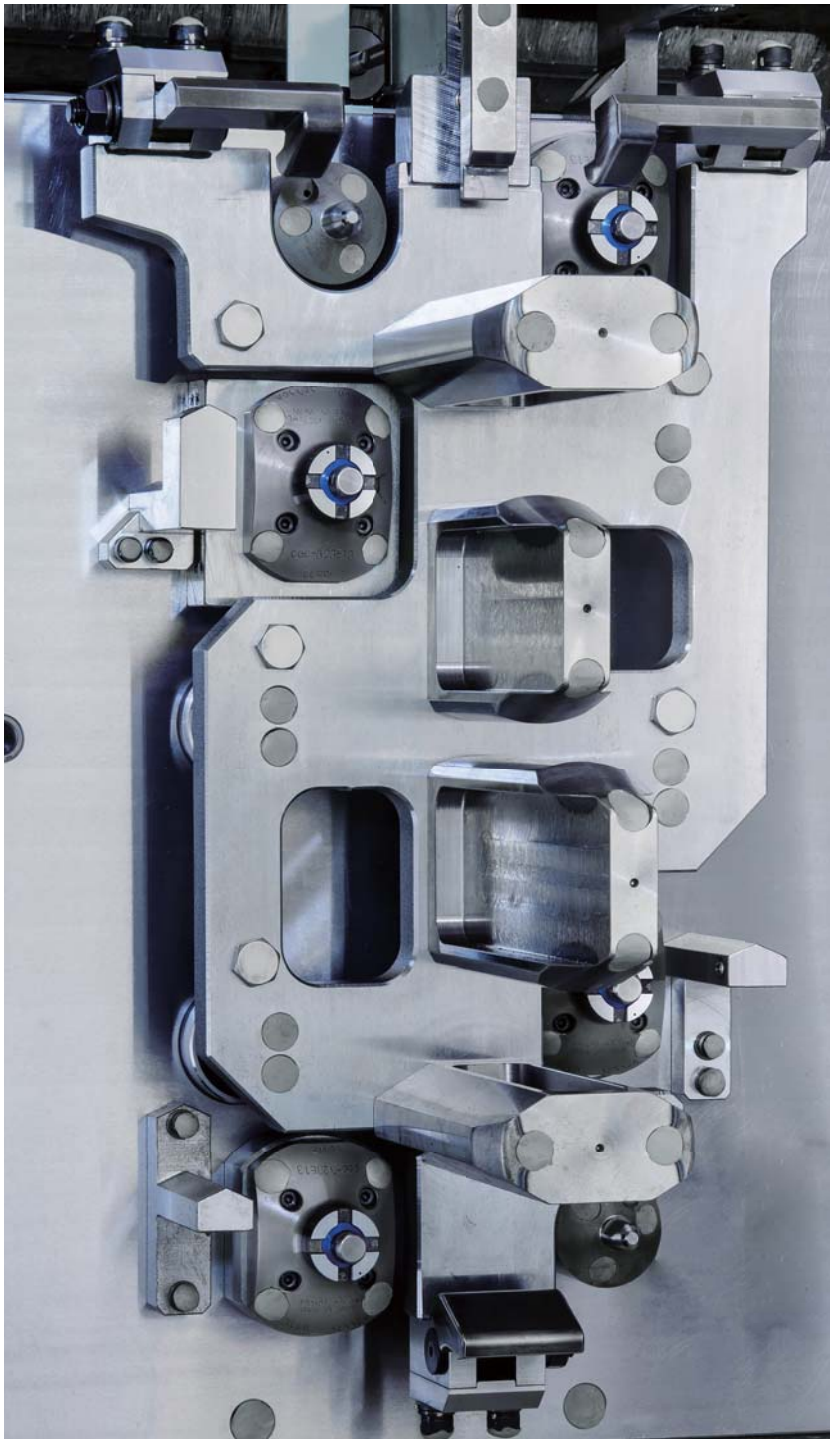
Clamping force : 9.0 kN



Workpiece

Cast Aluminum

150×150×150 mm

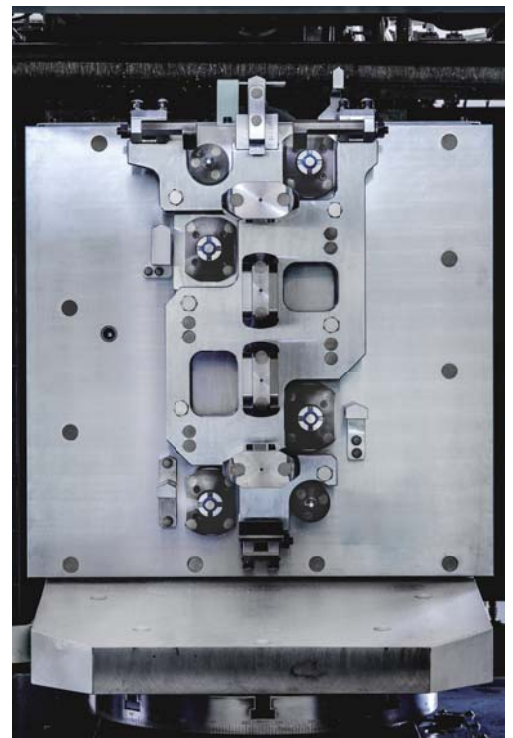


Machining Jig

CGC-N23E13×4

Standard diameter : $\phi 13$

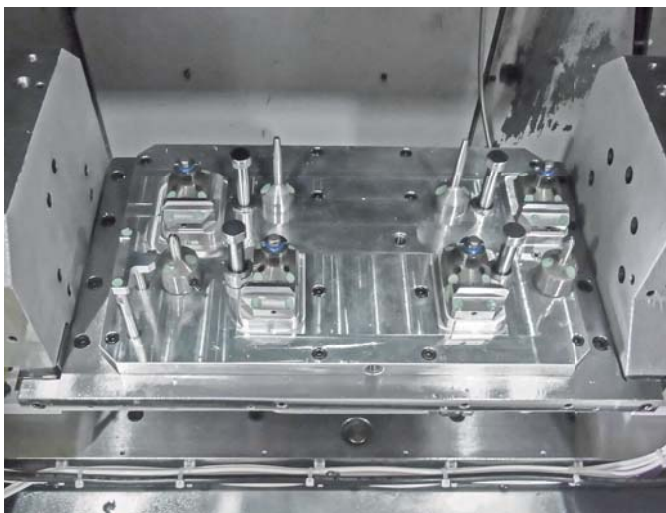
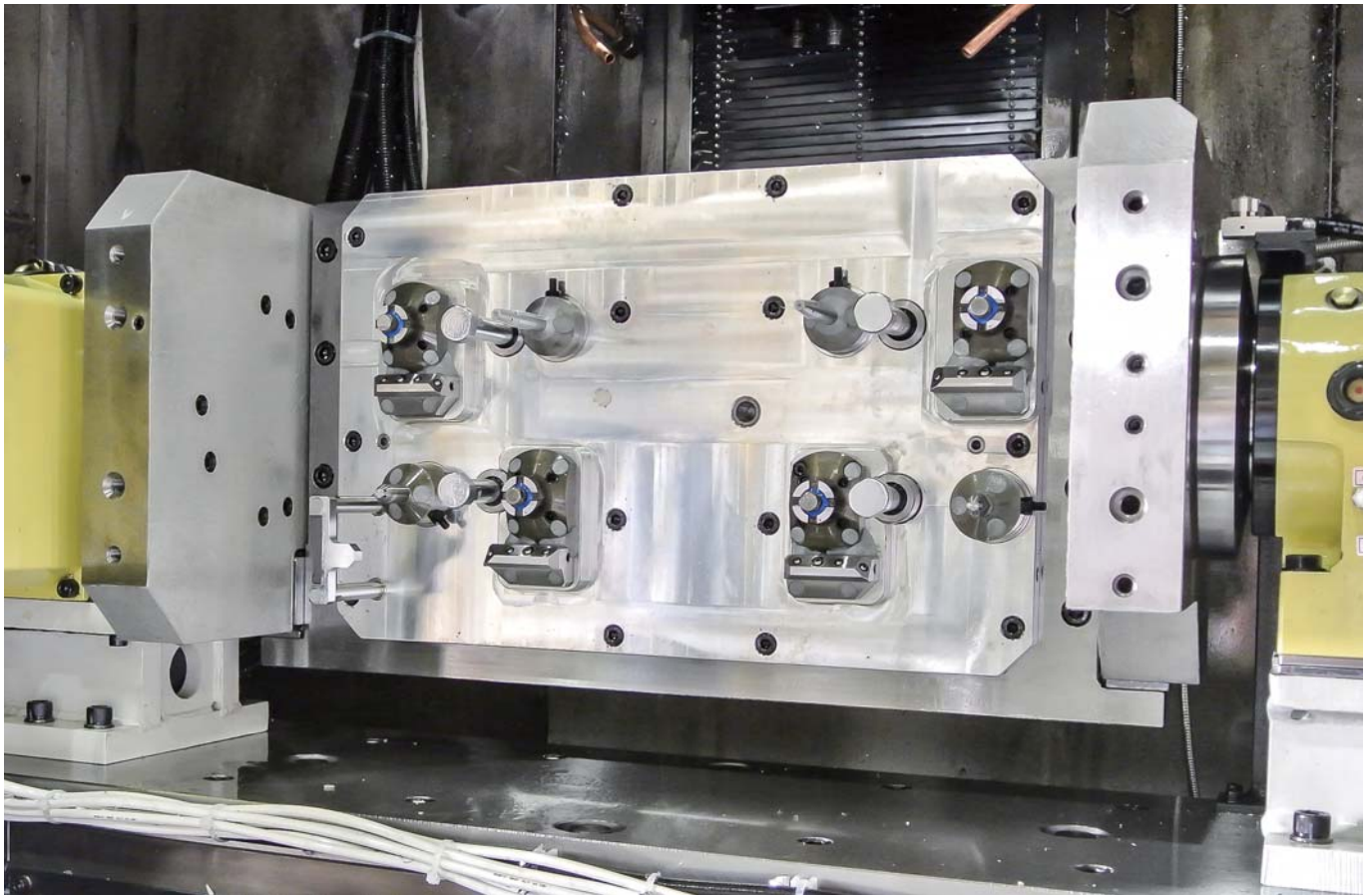
Clamping force : 30.0kN



Cylinder Block

Cast Aluminum

414×193×125 mm



Machining Jig

CGC-N22E13×4

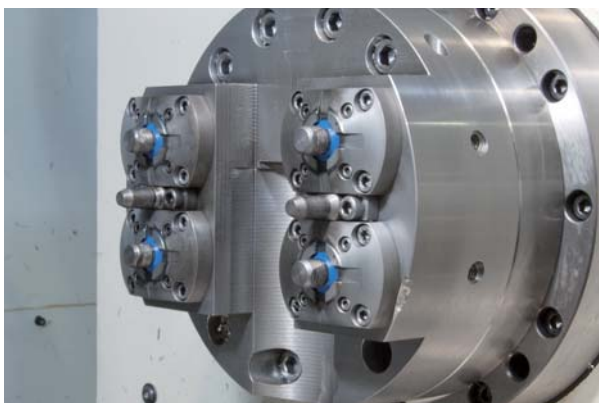
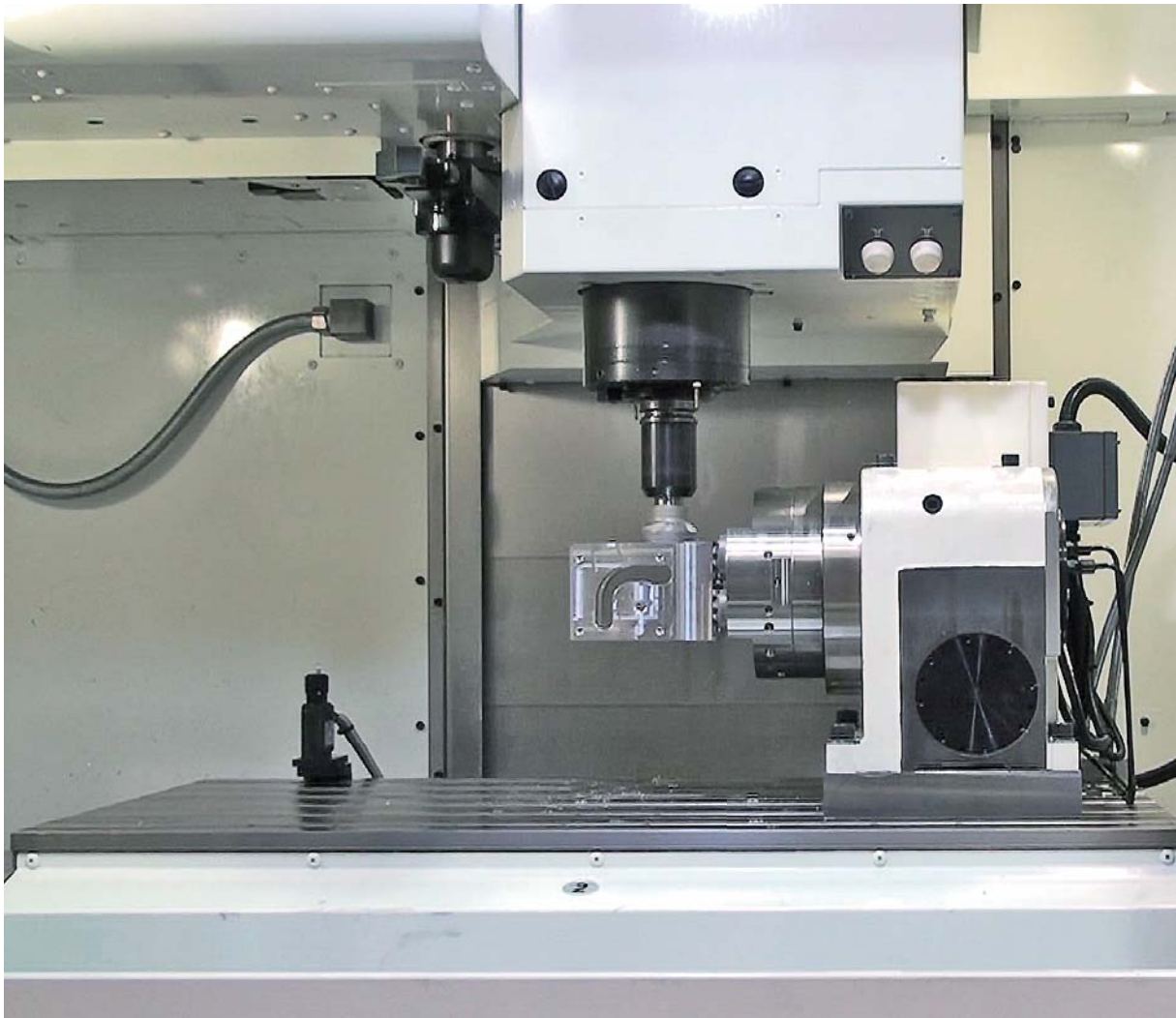
Standard diameter : $\phi 13$

Clamping force : 10.0kN

Cylinder Head

Cast Aluminum

425×220×110 mm

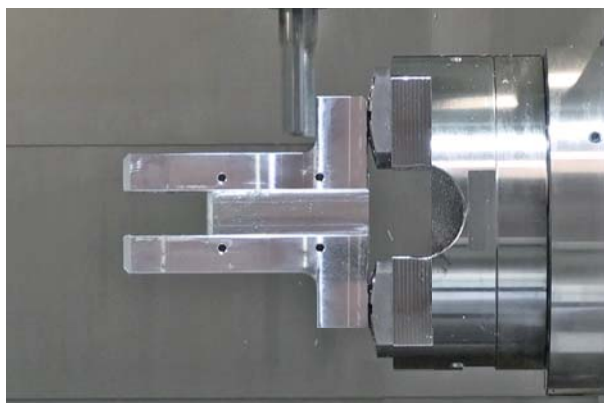


Jig

CGS-N22E12×4

Standard diameter : $\phi 12$

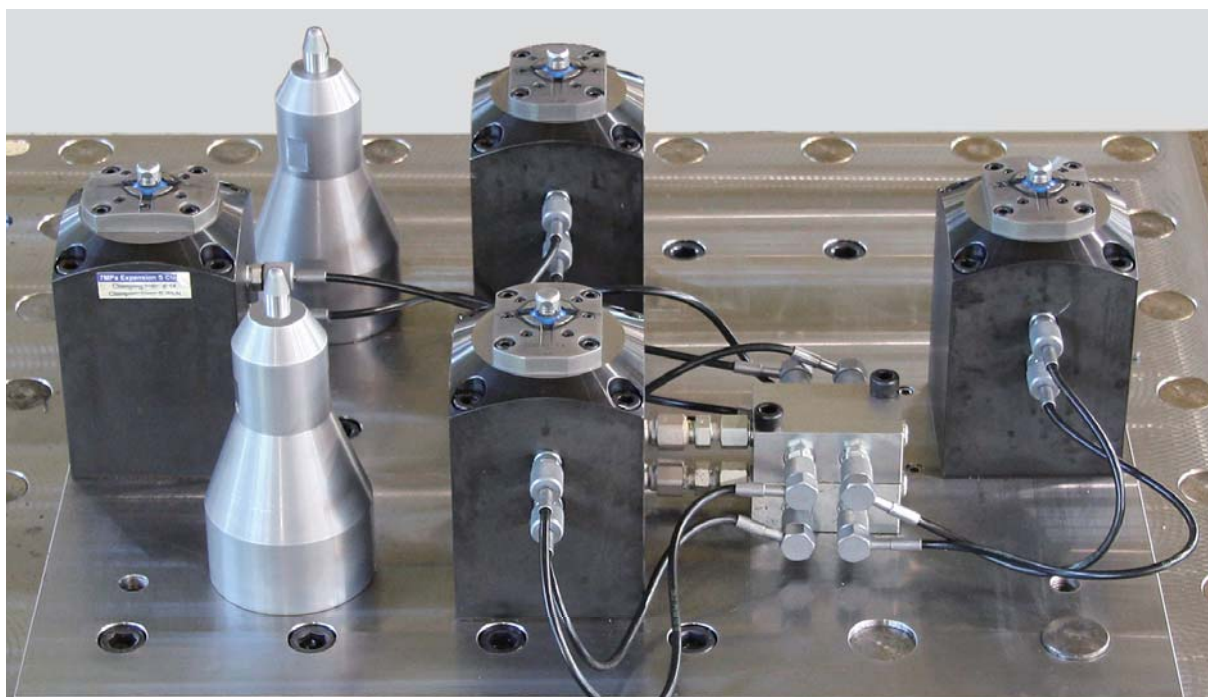
Clamping force : 14 kN



Workpiece

A2017 (Duralumin)

200×100×150 mm



Jig

CGS-N23E14×4

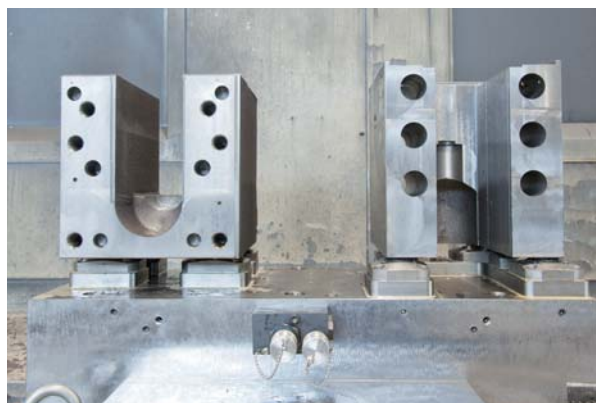
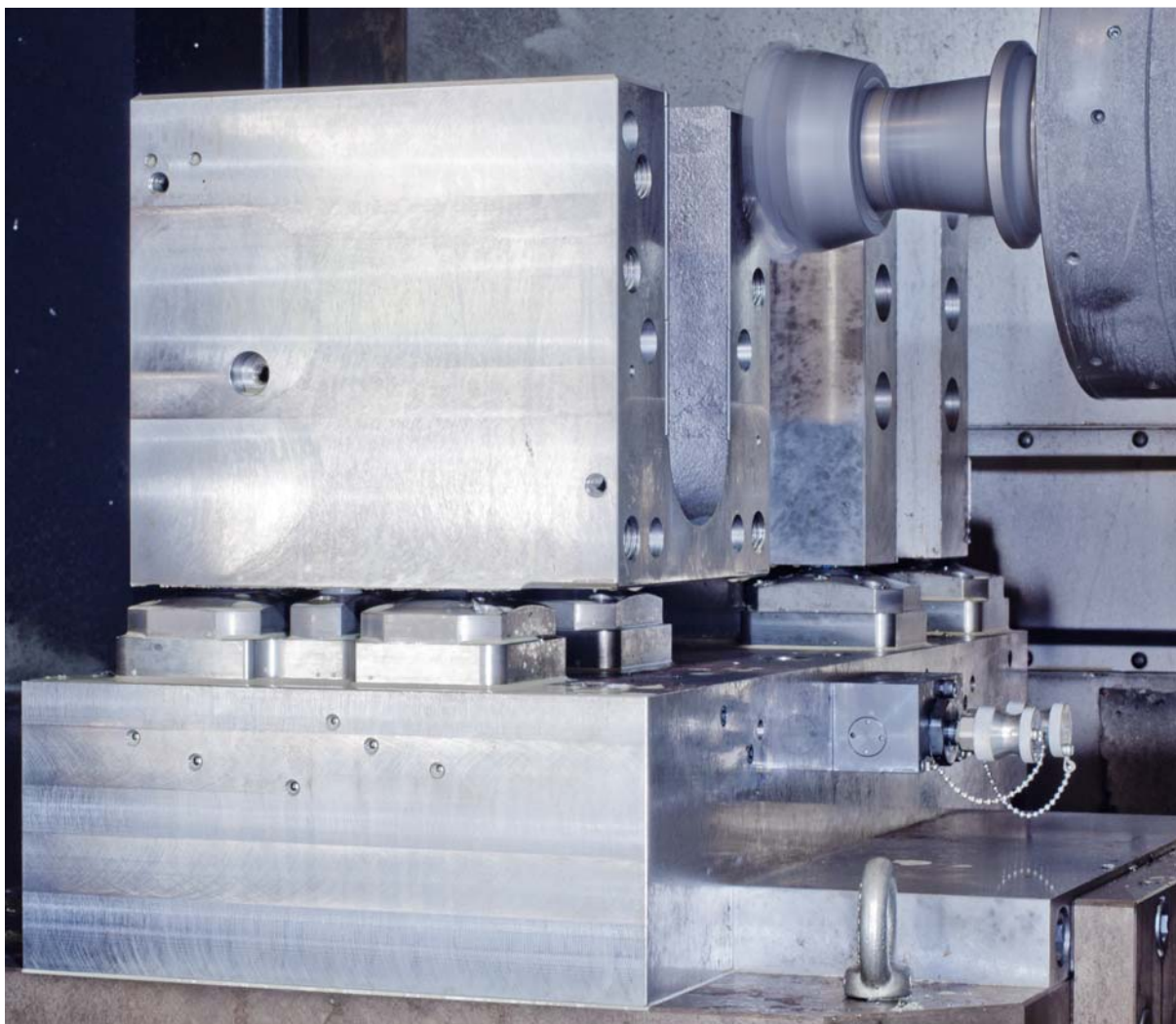
Standard diameter : $\phi 14$

Clamping force : 29.6 kN

Workpiece

S45C

578×450×60 mm



Jig

CGS-N24E17×4

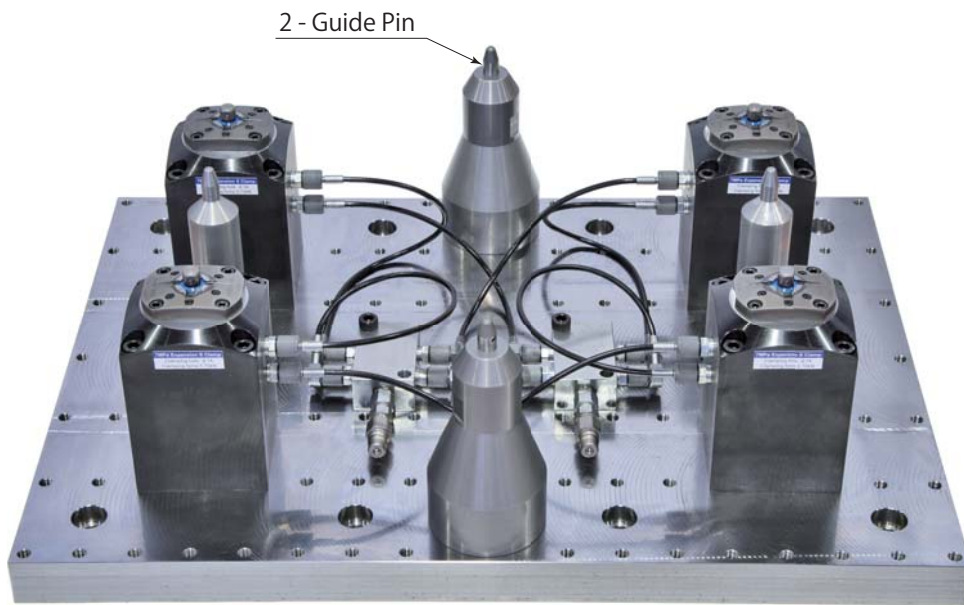
Standard diameter : $\phi 17$

Clamping force : 54 kN

Workpiece

FCD400

200×200×200 mm

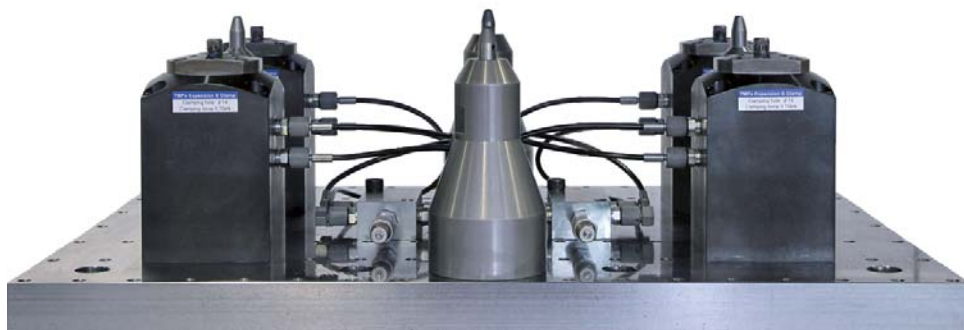


Jig

CGS-N23E14×4

Standard diameter : $\phi 14$

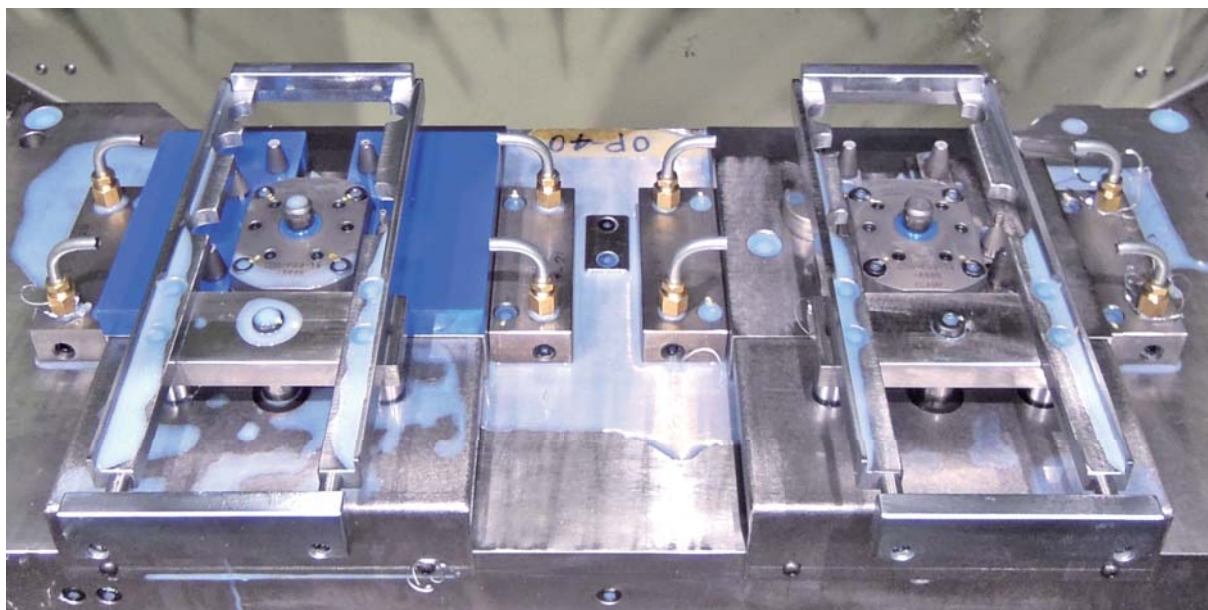
Clamping force : 29.6 kN



Workpiece

SS400

570×570×50 mm

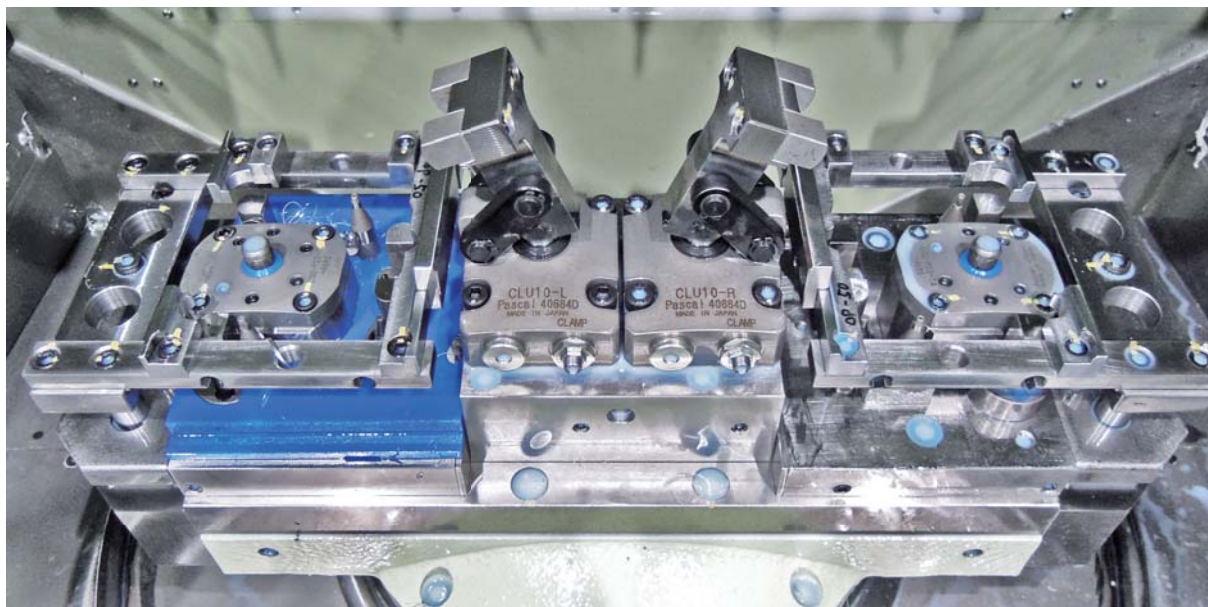


Jig

CGS-P23-14×1

Standard diameter : $\phi 14$

Clamping force : 5.3 kN



Jig

CGS-P23-14×1 CLU10-L/R×1

Standard diameter : $\phi 14$

Clamping force : 10.4 kN



Jig

CGS-N22-09×3

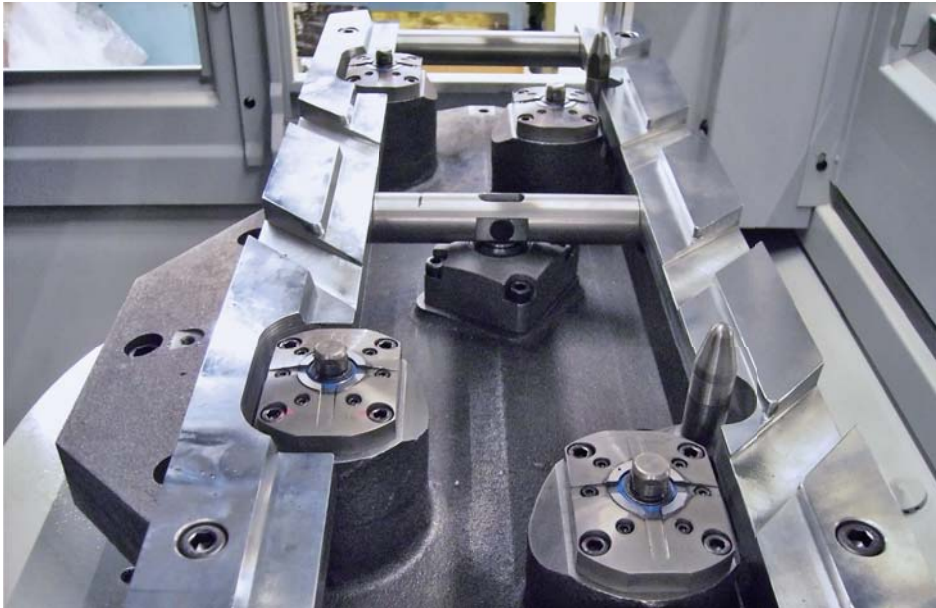
Standard diameter : $\varnothing 9$

Clamping force : 6 kN

Manifold Spacer

AC4BF (Cast Aluminum)

200×70×15 mm

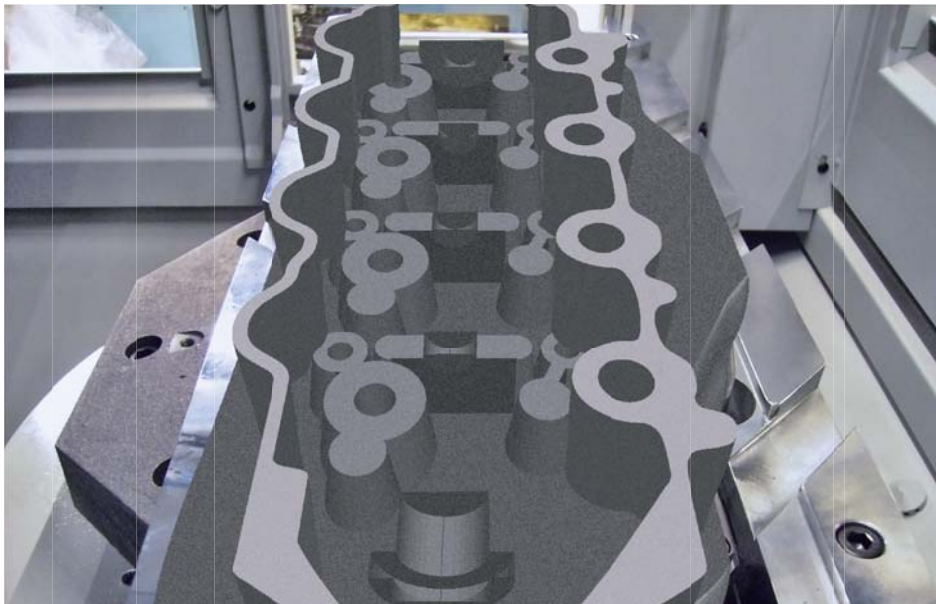


Jig

CGS-N23-15×4

Standard diameter : $\phi 15$

Clamping force : 19.6 kN



Cylinder Head

FCD250 (Cast Iron)

500×220×120 mm

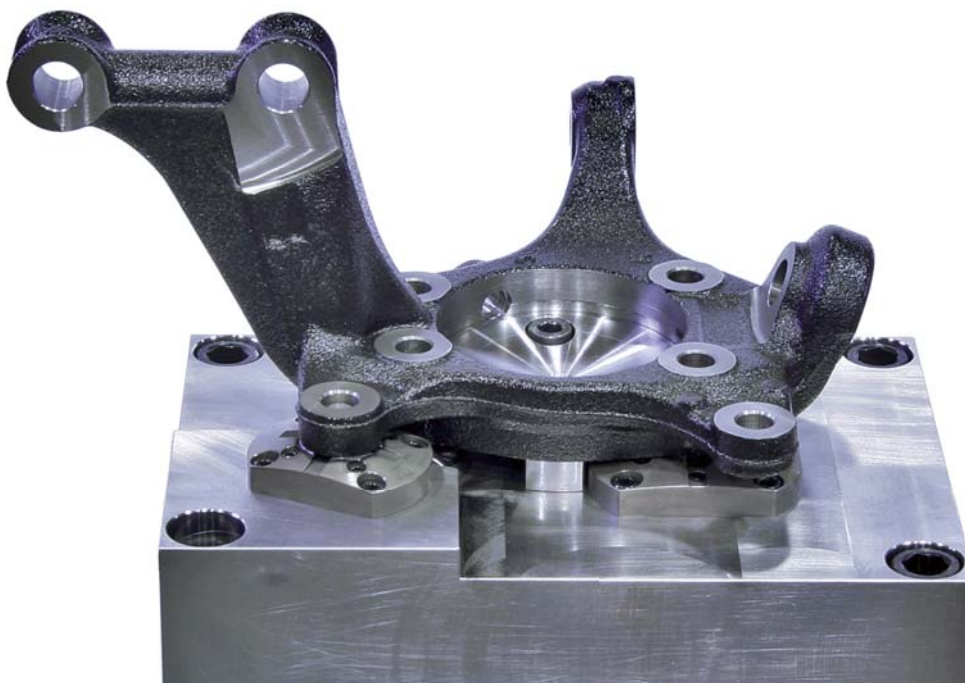


Jig

CGS-N23-12×3 CGS-N22-12×1

Standard diameter : $\phi 12$

Clamping force : 19.6 kN



Steering knuckle

FCD400 (Cast Iron)

300×230×130 mm



Jig

CGS-N11-06×2

Standard diameter : $\phi 6$

Clamping force : 0.9 kN

Exhaust Manifold

FC250 (Cast iron)

300×250×150 mm



Vertical Lathe Jig

CGS-N12E09×3

Standard diameter : $\varnothing 9$

Clamping force : 3.5 kN

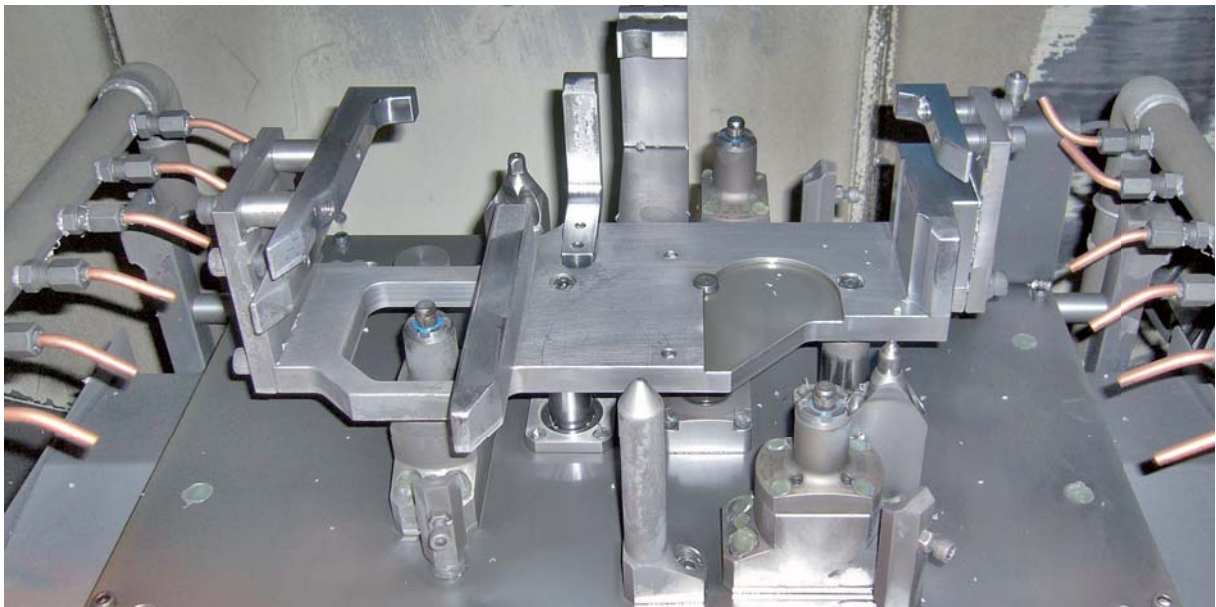


Retainer Machining Jig

CGT-F22-11×3

Standard diameter : $\phi 11$

Clamping force : 7.5 kN

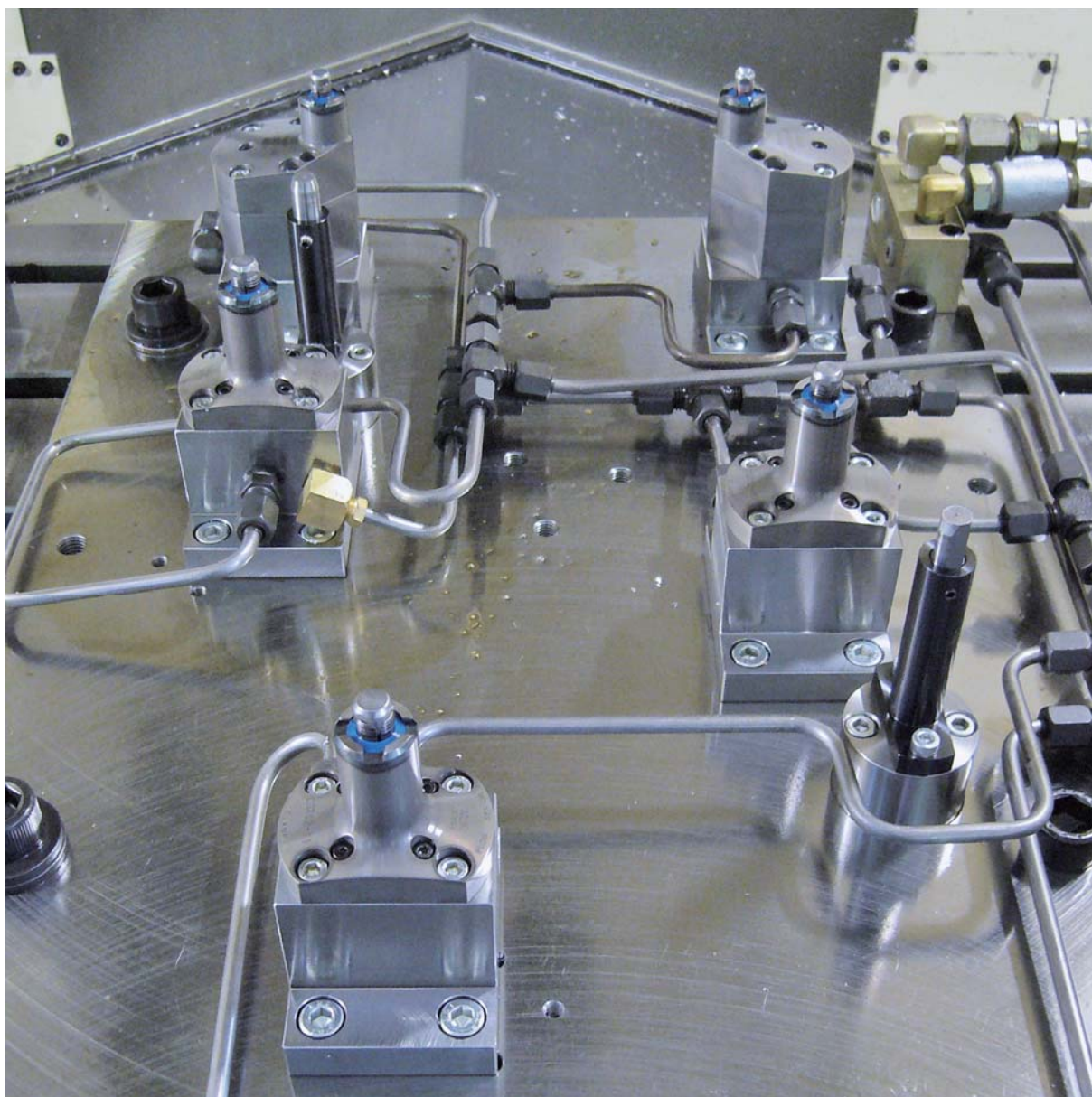


Jig for Mission case

CGT-F22-11×3

Standard diameter : $\phi 11$

Clamping force : 7.5 kN



Jig for Mission case

CGT-F22-11×3 CGU-F22-09×2

Standard diameter : $\varnothing 11$, $\varnothing 9$

Clamping force : 6.6 kN



Machining Jig

CGT-F22E09×3 CGU-F22E09×1

Standard diameter : $\varnothing 9$

Clamping force : 9.8kN

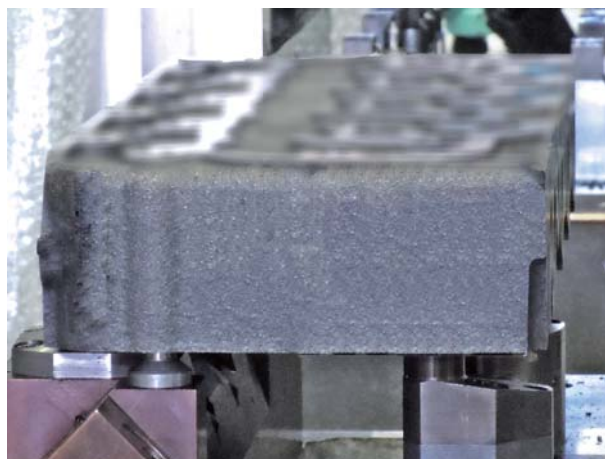
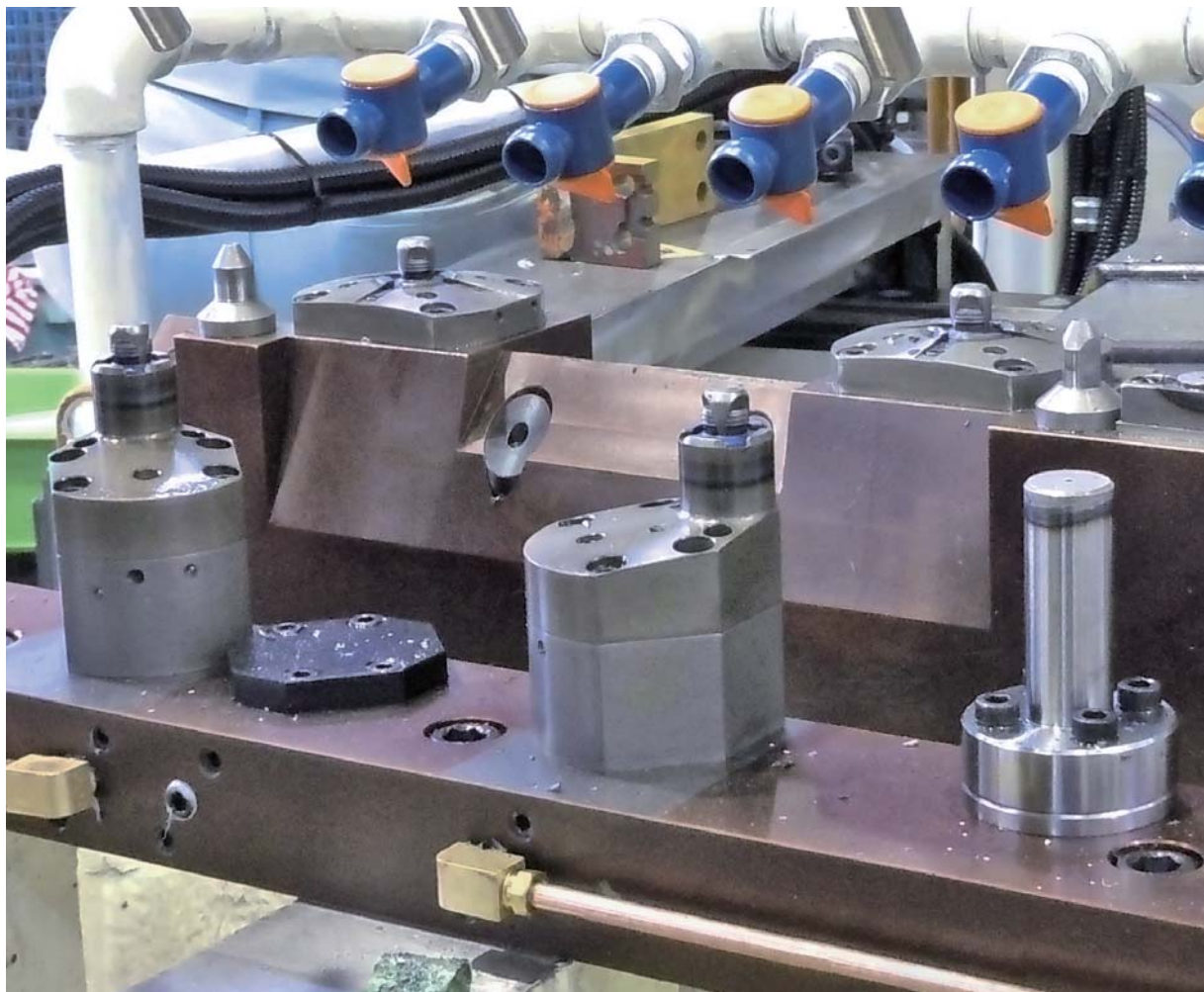


Machining Jig

CGU-F22E11×2

Standard diameter : $\varnothing 10.7$

Clamping force : 5.5kN



Jig

CGU-F22E12×2 CGS-N23E12 x 2

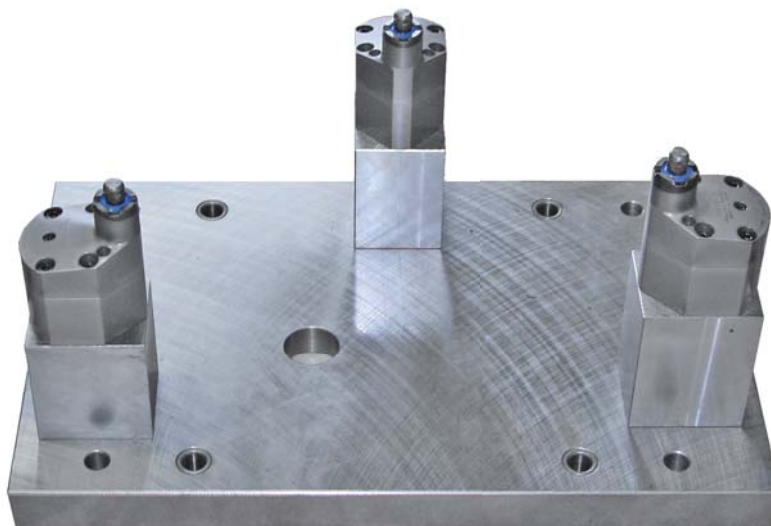
Standard diameter : $\phi 12$

Clamping force : 13.6 kN

Cylinder Head

FC250

432 × 183 × 70 mm



Jig

CGU-F22-11×3

Standard diameter : $\phi 11$

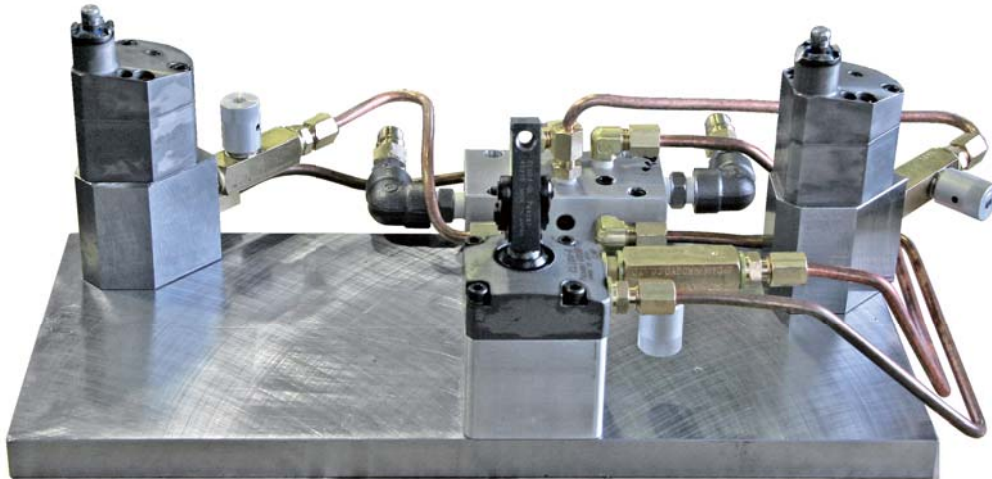
Clamping force : 3.5 kN



Axle case

Cast Aluminum

210×270×160 mm

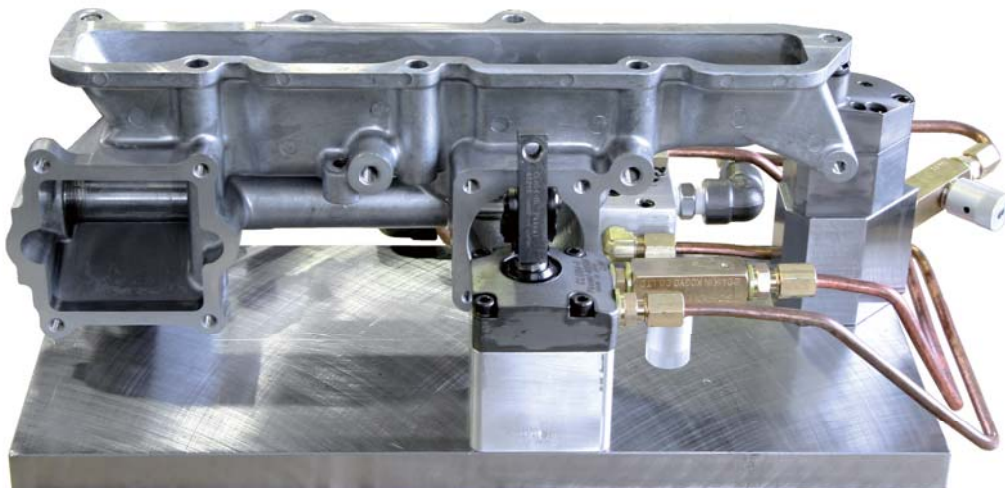


Jig

CGU-F22-09×2 CLU04-R×1

Standard diameter : $\varnothing 9$

Clamping force : 1.6 kN



Inlet manifold

Cast Aluminum

370×100×125 mm



Machining Jig

CGE-N22E070×2

Standard diameter : $\varnothing 7$

Clamping force : 1.3 kN



Compressor parts

Cast Aluminum

$\varnothing 110 \times 67$ mm

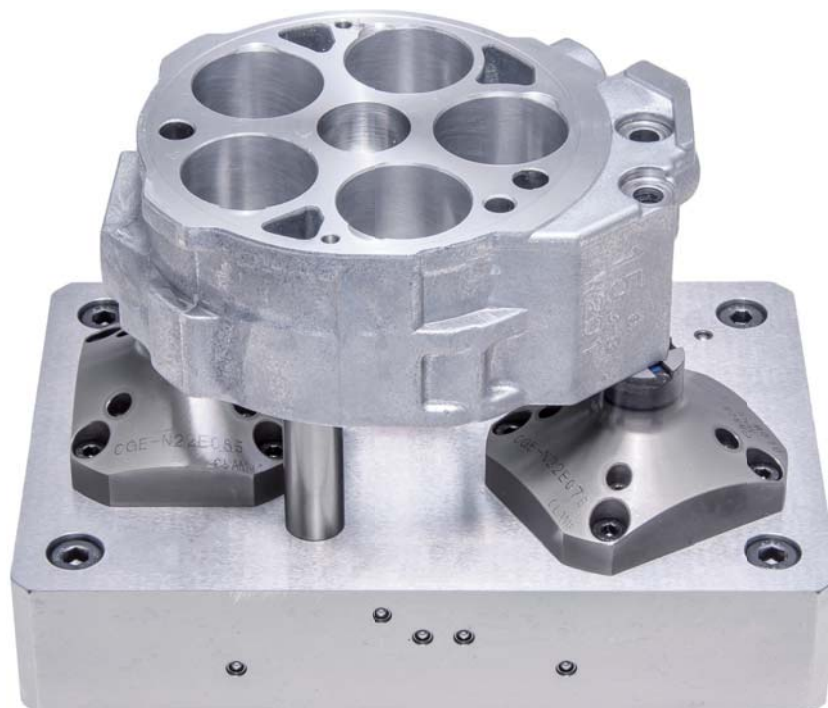


Machining Jig

CGE-N22E085×1 CGE-N22E076×1

Standard diameter : $\varnothing 8.5$ $\varnothing 7.6$

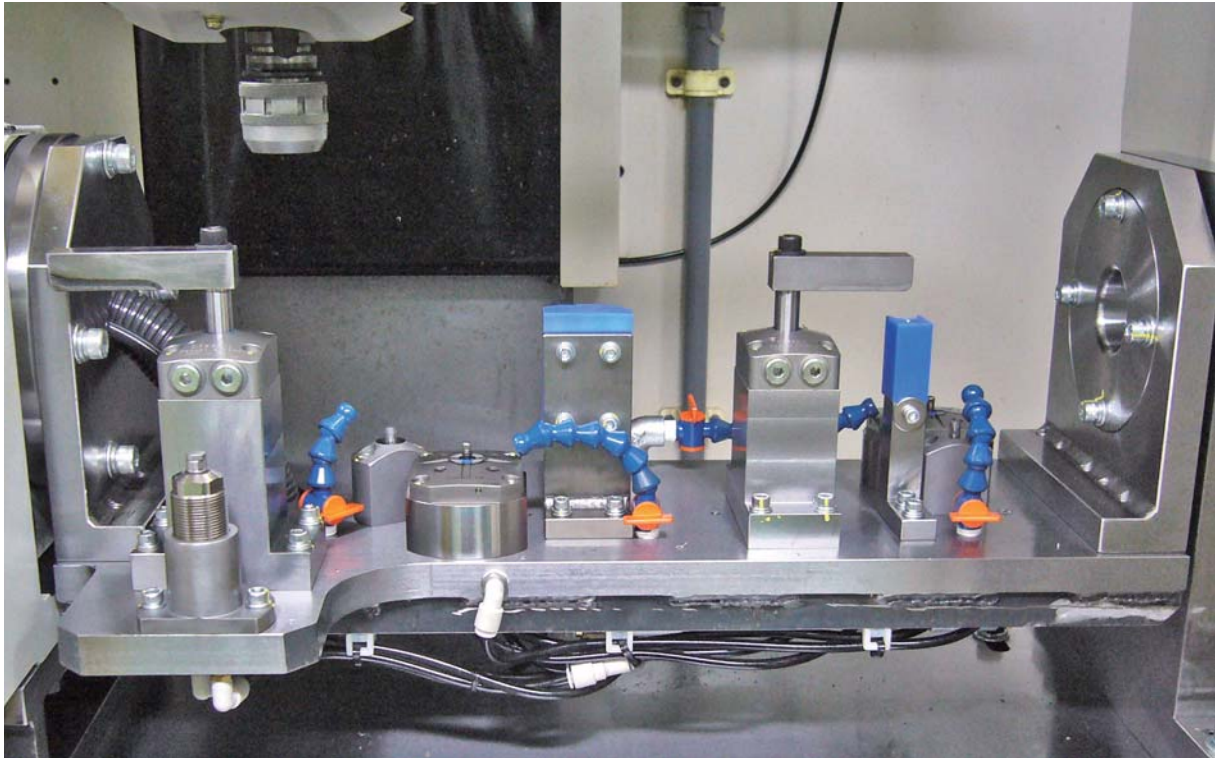
Clamping force : 1.3 kN



Compressor parts

Cast Aluminum

145×120×50 mm

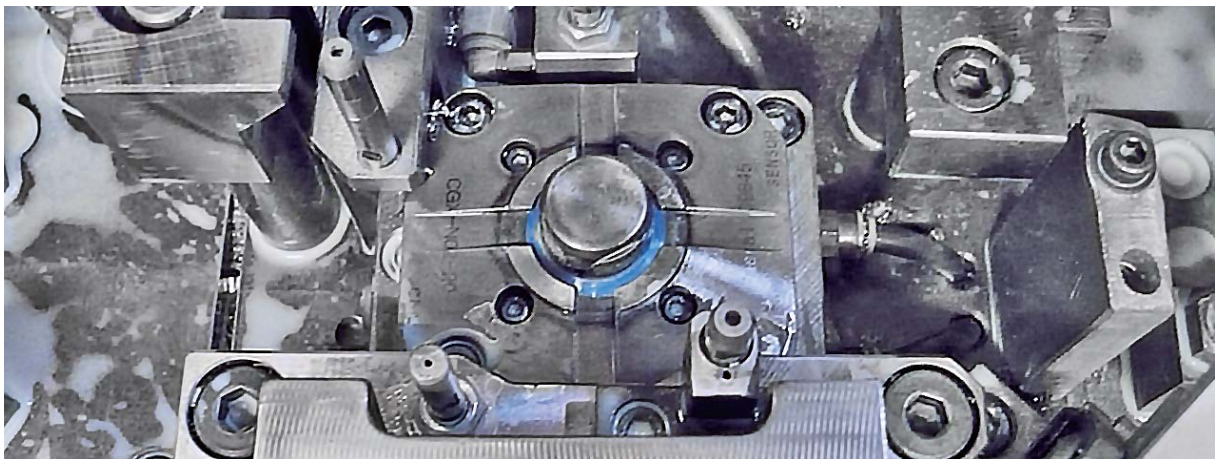


Engine parts Machining Jig

CGX-N22-06×2

Standard diameter : $\varnothing 6$

Clamping force : 1.3 kN



Pump cover Machining Jig

CGX-N22-20×1

Standard diameter : $\varnothing 20$

Clamping force : 0.5 kN



Retainer Cleaning Jig

CGX-N22-11×2

Standard diameter : $\phi 11$

Clamping force : 1.3 kN

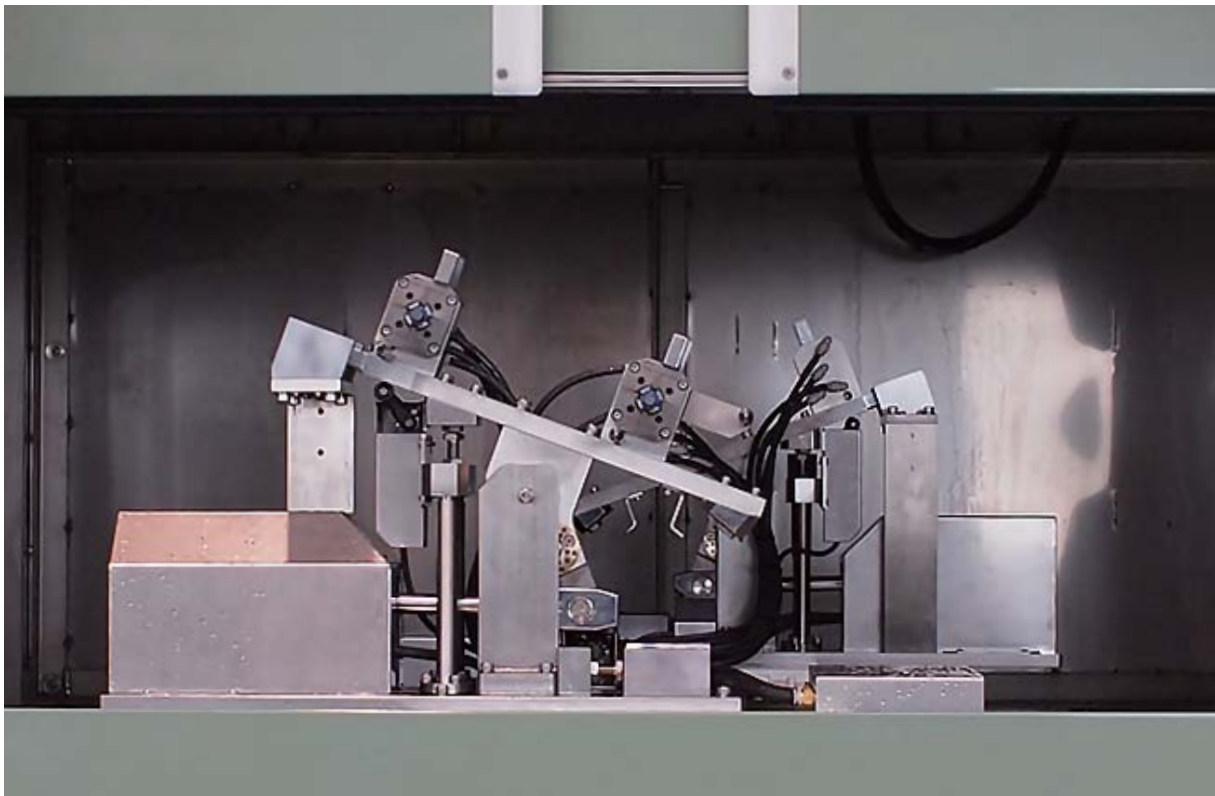


Retainer Cleaning Jig

CGX-N22-11×2

Standard diameter : $\phi 11$

Clamping force : 1.3 kN

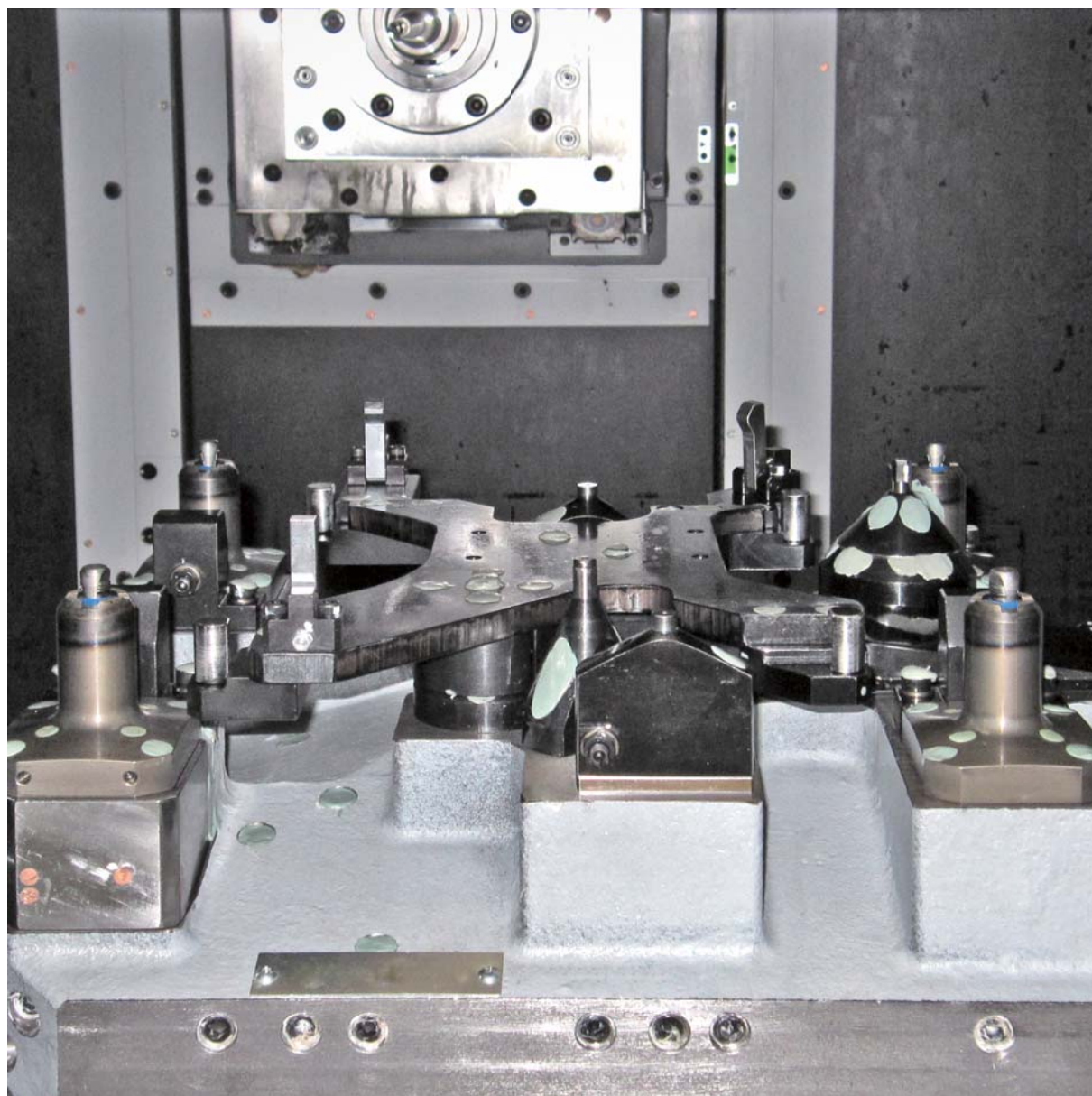


Robot Cleaning Jig

CGX-N22-12×2

Standard diameter : $\phi 12$

Clamping force : 1.3 kN

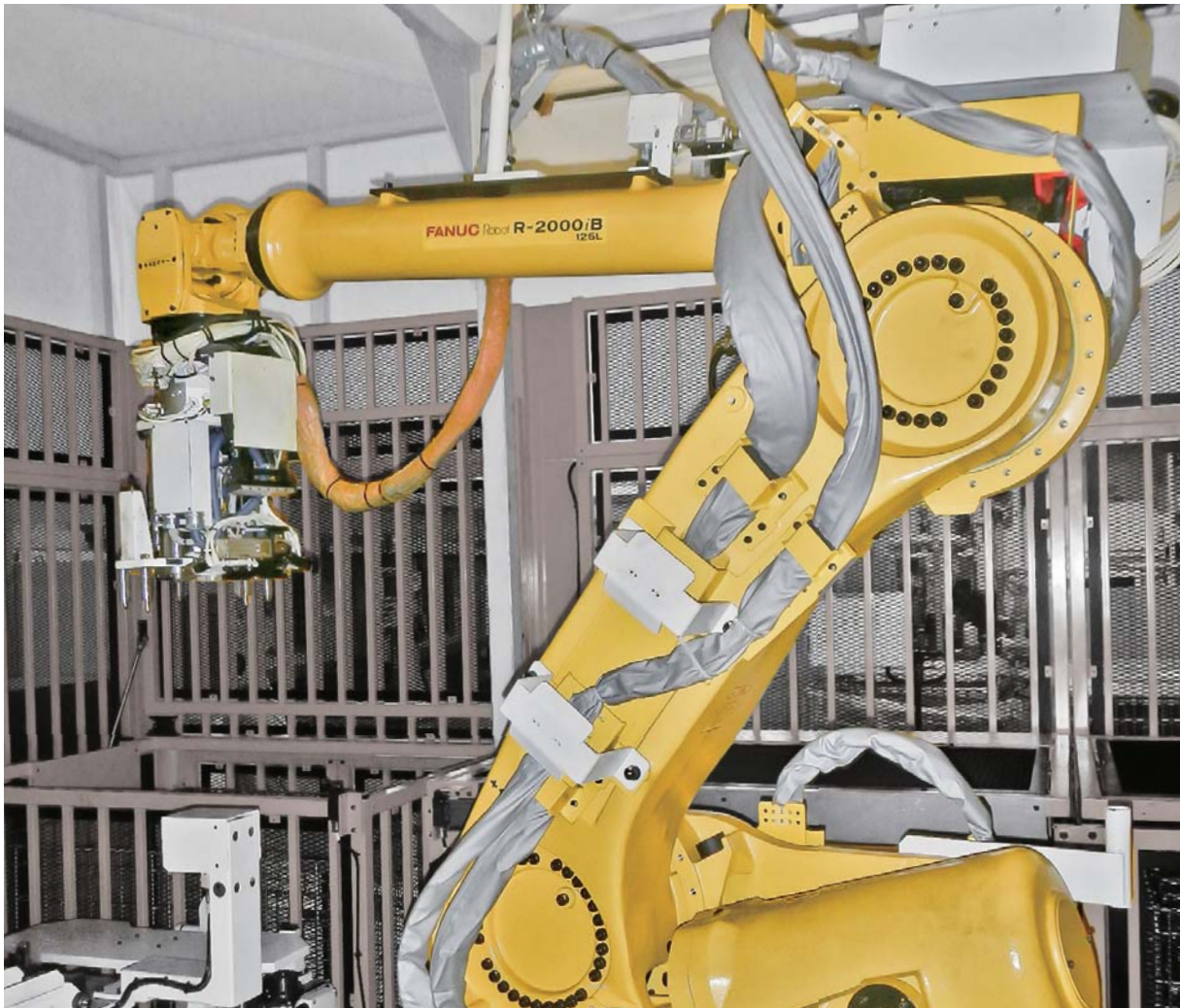


Oil Pump Machining Jig

CGY-F22E095 × 4

Standard diameter : $\varnothing 9.5$

Clamping force : 4 kN



Bearing cap holder Transport Jig

CGY-F32-11×2

Standard diameter : $\varnothing 11$

Clamping force : 1.5 kN

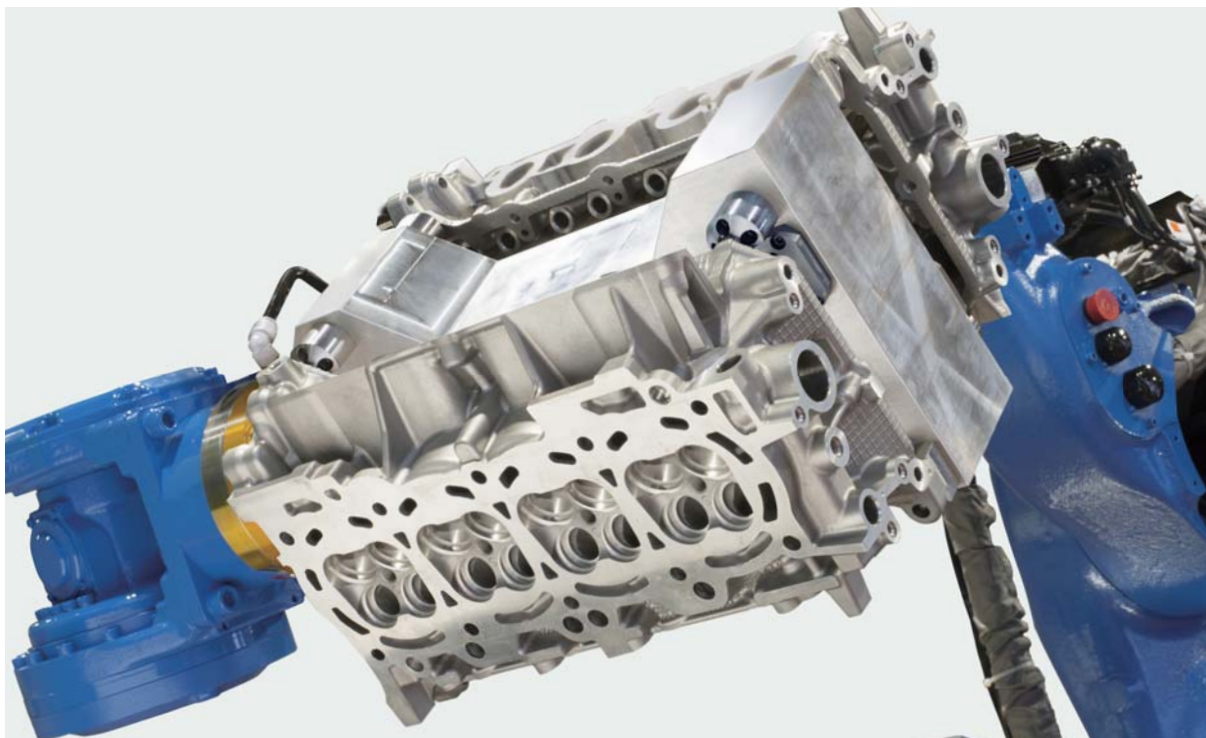


Workpiece Transport Jig

CGY-F32E11×2

Standard diameter : $\varnothing 11$

Clamping force : 1.5 kN



Cylinder Head Transport Jig

CGY-R32E11×2

Standard diameter : $\varnothing 11$

Clamping force : 1.5 kN



Cylinder head

Cast Aluminum

410×220×120 mm



Cylinder head cleaning Jig

CGY-F32-12×2

Standard diameter : $\phi 12$

Clamping force : 1.5 kN



Cylinder block cleaning Jig

CGY-F32-13×3

Standard diameter : $\phi 13$

Clamping force : 2.3 kN



Cylinder head

Cast Aluminum

410×220×120 mm



Cleaning Jig

CGY-F42E12×2

Standard diameter : $\phi 12$

Clamping force : 1.6 kN

Pascal

Itami, Hyogo, Japan 664-8502
TEL. 072-777-3333 FAX. 072-777-3520



CERTIFICATE OF APPROVAL ISO9001