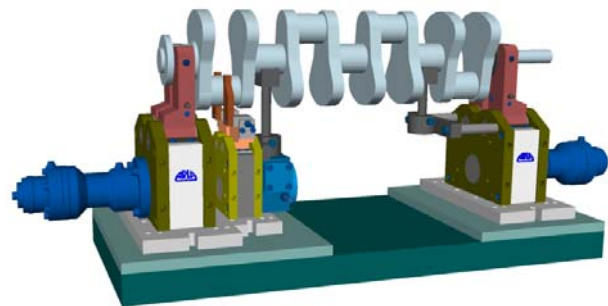
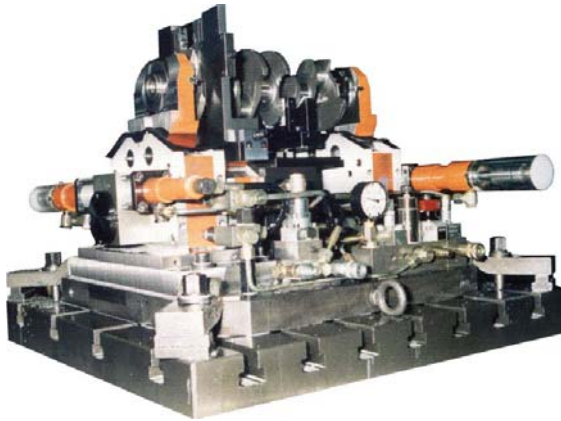


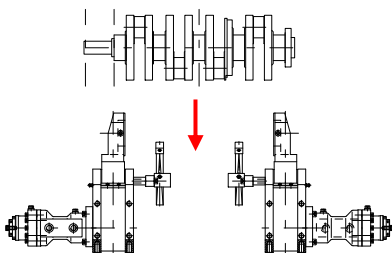
ARLA® Workholding Units (Special Design)

*The Centralized Workholding System HXR-CS
to Clamp Crankshafts (and also Camshafts) ...*



Example of a 3-station-system with 2 units for the main clamping and 1 unit for the automatical positioning of the crankpin

- max. workpiece diameter (= clamping diameter): $d_{\max} = 275 \text{ mm}$; all sizes customer-dedicated (larger diameters on request)
- slim design with special actuation arms (easily to be integrated in manufacturing lines and CNC manufacturing centers)
- assembly of one or more systems on a single grid plate (clamping plate); 1 system = 2-/3-station-system
- hydraulic actuation (model **HXR**) optionally with a 2-stage-clamping (pre-/main clamping: model **HSR**)
- centralized, mechanical clamping technique with a high clamping force depending on the models
max. clamping force (depending on the model): 110 kN @ 160 bar oil pressure
- high-precision clamping with a repeatability less than 0.01 mm (0.0004") (special finishing process)
- changeable jaw sets optionally made of steel (or plastics for grinded workpiece surfaces)
- extremely short clamping time; opening adjustable; precise clamping limitation
- reliable clamping unit dedicated to series production; chip protection integrated
- workpiece support integrated (dedicated to the special workpiece)
- option: mechanical feed support (radial and axial stop)
- option: automatical angle adjustment of the crankpin realized by a hydraulic positioning system (**HF**)
- option: horizontal and vertical adjustment of every clamping unit by special adjustment plates



If you require any further information, please do not hesitate to contact us.
For a more detailed proposal we need a customer specification of the dimensions of the workpiece (including the machining steps).