



Asset-Trade

Assessment & Sale of Used Assets

Ref. No.: 428-07121606

631017

KX 1

Overview and Technical Data:

KAPP - KX 1 gear centre

KAPP



KAPP NILES

Year of Build: Jan 2004



Description:

USED KAPP KX1 - economic Gear Center

Siemens Sinumerik 840D

Specifications

- Tip diameter max. 250 mm
- Module range max. 10 mm
- Gear width max. 350 mm
- Helix angle max. ± 35 degrees

Accessories:

- Coolant system
- Hydraulic unit
- Chip conveyor

Advantages:

- Each machine is a manufacturing cell that utilizes the pick-up spindles, the machine loads itself
- Extremely short distances and thus short time for loading and unloading
- Multifunctional means of production: turning, drilling, milling, grinding, gear cutting, laser application and other procedures
- The workpiece leads the movements of the tool holder are fixed, thus ideally, free chip flow, since the tools are positioned below the workpiece (and therefore also suitable for dry machining)
- The hydrostatic bearing work spindle in the Z-axis results in the soft and hard machining parts to high quality and high tool life
- All modules on accuracy are liquid-cooled
- Safe, wear and maintenance free working space cover
-

The KAPP KX 1 is focus designed for finish grinding of external, spur and helical gears in medium and large series, preferably for shaft machining.



Based on the particular task, and application-specific solutions, such as the processing of two gears in one set can be realized.

Be used exclusively dressable KAPP CBN tools.

Main and countershaft are indeed in terms of units in the transmission in the minority, but make manufacturing technology with respect to the hard fine machining of the tooth flanks, the greater challenge, especially when two gears to be machined in a single setup and interfering contours are in play. An economical alternative for this task, the use of the continuous profile grinding with electroplated CBN-enveloping worm gearing on the center Kapp KX1.

Example: car transmission shaft with two sets of teeth (teeth 33 and 39); processing time 2.7 min with the use of two enveloping worm (diameter 160 mm) per tooth. This replaces the previous machining with CBN cylindrical worms (160 mm diameter) and profile disc (110 mm) in cycle time of 4.9 min and with comparable tool costs. For the future are to be expected through the use of coarser grains further savings.



Technical Data:

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Control: SINUMERIK 840D

Buyer Information:

Condition: Very good condition

Available: Sold

Sold as:

EXW (Ex Works - Incoterm)

VAT: 19 %

Buyers Premium: 15 %

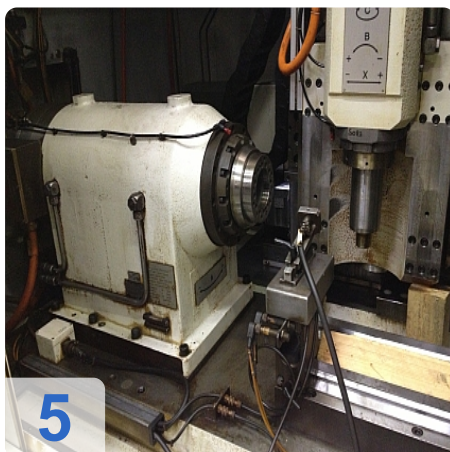
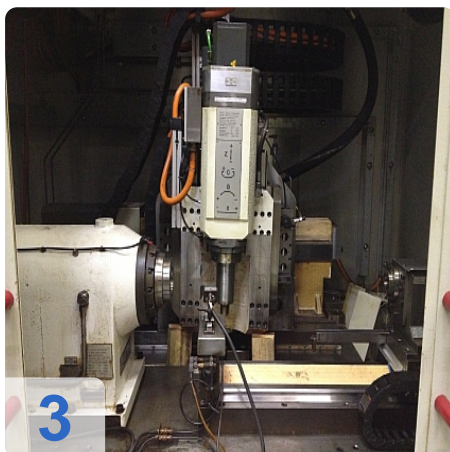
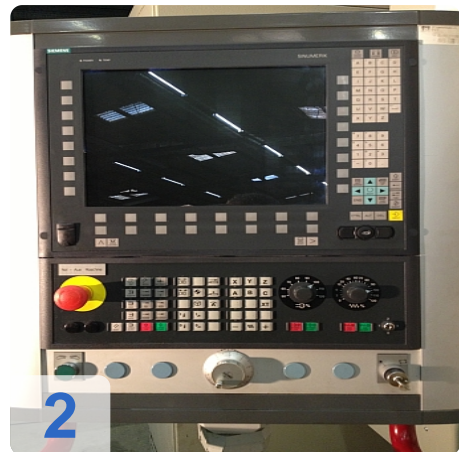
Location: Germany



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Images:

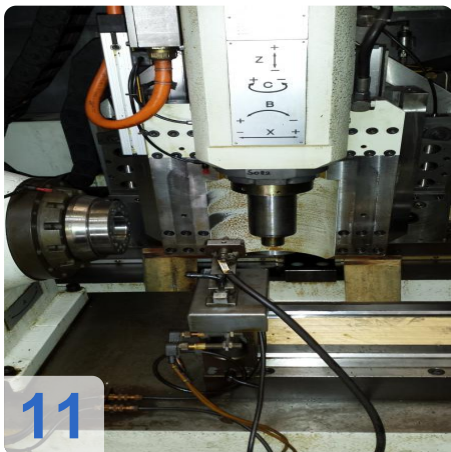
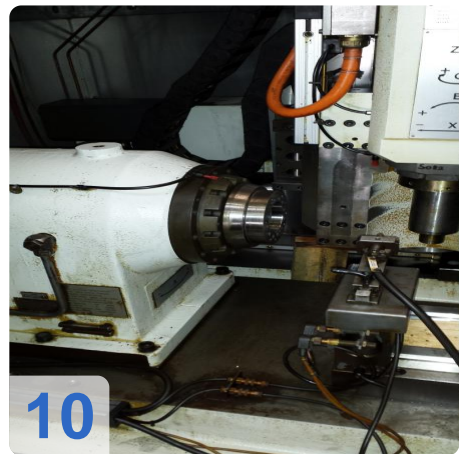
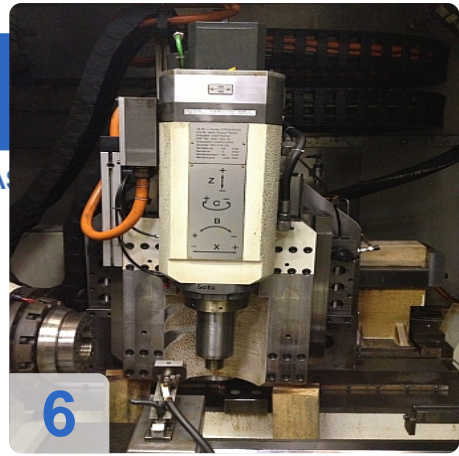




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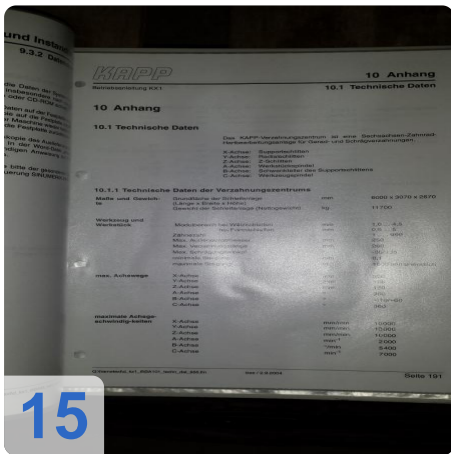
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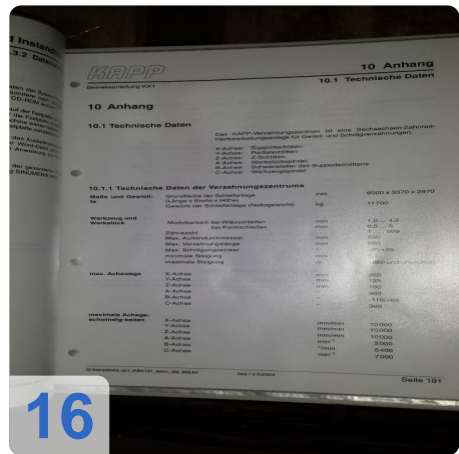
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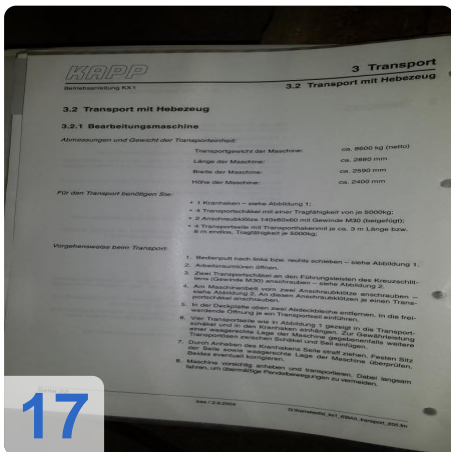
14



15



16



17



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wide**

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