

1. General Information about the company

 KBA Supplier-no.

 Company

 Postal address

 Delivery address

 Telephone

 Fax

 E-Mail

 Internet-Adresse:

 Supplier's code for KBA:

2. Technical questions

2.1 Which manufacturing possibilities do you have?

(1 = Priority; 2 = Standard; 3 = Treatment possible; 4 = not in the program; A = Assignment to outside firms)

| | | Production programme (weighting) | Linear path X in mm | Linear path Y in mm | Linear path Z in mm | Positioning accuracy in mm | Diameter in mm | Passage in mm | Turning length in mm | Procedure-specific data |
|---------------------------|------------------------------|-------------------------------------|---------------------|---------------------|---------------------|----------------------------|----------------|---------------|----------------------|-------------------------|
| Separating (no contact) | CNC sheet metal | | | | | | | | | |
| | CNC autogenous torch cutting | | | | | | | | | |
| | CNC flanging | | | | | | | | | |
| | CNC laser cuttings | | | | | | | | | |
| | CNC plasma torch cutting | | | | | | | | | |
| | CNC plasma cutting | | | | | | | | | |
| | CNC water jet cutting | | | | | | | | | |
| | Flame gouging | | | | | | | | | |
| Separating (mechanically) | Nibbling | | | | | | | | | |
| | Roller straightening | | | | | | | | | |
| | Punching | | | | | | | | | |
| | Edge bending | | | | | | | | | |
| | Trimming | | | | | | | | | |
| | | | | | | | | | | |

| | | Production programme (weighting) | Linear path X in mm | Linear path Y in mm | Linear path Z in mm | Positioning accuracy in mm | Diameter in mm | Passage in mm | Turning length in mm | Procedure-specific data |
|---|---|-------------------------------------|---------------------|---------------------|---------------------|----------------------------|----------------|---------------|----------------------|-------------------------|
| Cutting treatment | Sawing | | | | | | | | | |
| | CNC milling up to 3 A | | | | | | | | | |
| | CNC milling 4 A | | | | | | | | | |
| | CNC milling 5 A | | | | | | | | | |
| | CNC turning | | | | | | | | | |
| | CNC longitudinal turning | | | | | | | | | |
| | CNC grinding | | | | | | | | | |
| | Surface grinding | | | | | | | | | |
| | Profile grinding | | | | | | | | | |
| | Cam grinding | | | | | | | | | |
| | Thread cutting | | | | | | | | | |
| | Gear tooth milling | | | | | | | | | |
| | Gear tooth grinding | | | | | | | | | |
| | Gear tooth gouging | | | | | | | | | |
| | Gear tooth shaping | | | | | | | | | |
| | Spiral toothed bevel gear (Klingenberg) | | | | | | | | | |
| | Cylcoidal toothed bevel gear | | | | | | | | | |
| | Hardened toothed bevel gear (HPG-S) | | | | | | | | | |
| | Internal toothing | | | | | | | | | |
| | Spline shaft profile inside (DIN 5480) | | | | | | | | | |
| Spline shaft profile outside (DIN 5480) | | | | | | | | | | |
| Broaching (key grooving) | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Joining - Welding / Soldering | MIG / MAG welding | | | | | | | | | | | | | | | | | | | | |
| | Laser beam welding | | | | | | | | | | | | | | | | | | | | |
| | Ultrasonic welding | | | | | | | | | | | | | | | | | | | | |
| | Gas welding | | | | | | | | | | | | | | | | | | | | |
| | Bolt welding | | | | | | | | | | | | | | | | | | | | |
| | Electroslag welding | | | | | | | | | | | | | | | | | | | | |
| | Pulsed current arc welding | | | | | | | | | | | | | | | | | | | | |
| | Arc welding | | | | | | | | | | | | | | | | | | | | |
| | Plasma-arc welding | | | | | | | | | | | | | | | | | | | | |
| | Spot welding | | | | | | | | | | | | | | | | | | | | |
| | Friction welding (metal) | | | | | | | | | | | | | | | | | | | | |
| | Welding on automatic welders | | | | | | | | | | | | | | | | | | | | |
| | UP-Welding | | | | | | | | | | | | | | | | | | | | |
| | TIG-Welding | | | | | | | | | | | | | | | | | | | | |
| | Deposit welding | | | | | | | | | | | | | | | | | | | | |
| Soldering | | | | | | | | | | | | | | | | | | | | | |

| | Production programme (weighting) | Linear path X in mm | Linear path Y in mm | Linear path Z in mm | Positioning accuracy in mm | Diameter in mm | Passage in mm | Turning length in mm | Procedure-specific data |
|-----------------------------------|----------------------------------|---------------------|---------------------|---------------------|----------------------------|----------------|---------------|----------------------|-------------------------|
| Transforming | Moulding | | | | | | | | |
| | Pipe bending | | | | | | | | |
| | (Deep) drawing | | | | | | | | |
| | Drop forging | | | | | | | | |
| | Thread pressing | | | | | | | | |
| Other tasks | Cavity sinking by EDM | | | | | | | | |
| | Wire EDM | | | | | | | | |
| | CNC pallet exchanger | | | | | | | | |
| | Counter-balancing 2 levels | | | | | | | | |
| | Counter-balancing 3 levels | | | | | | | | |
| Representing the industry | | | | | | | | | |
| Coordinates measuring machine CMM | | | | | | | | | |

Accuracy of the CMM (spatial dimensions):

2.2 Which surface treatments are possible in your company?

(1 = Priority; 2 = Standard; 3 = Treatment possible; 4 =not in the program; A = Assignment at outside firms)

| | | Production programme (weighting) | biggest possible dimensions (LxWxD) | Procedure-specific data |
|-----------------------------|---------------------------|-------------------------------------|--|-------------------------|
| Cleaning / Deburring | Lapping | | | |
| | Brushing | | | |
| | Polishing | | | |
| | Electrochemical polishing | | | |
| | Vibratory grinding | | | |
| | Ultrasonic cleaning | | | |
| | Pickling | | | |
| | Electrolytic degreasing | | | |
| | Chemical degreasing | | | |
| | Shot peening | | | |
| | Glass bead blasting | | | |
| | Sandblasting | | | |

| | | Production programme (weighting) | biggest possible dimensions (LxWxD) | Procedure-specific data |
|------------------|---------------------------|-------------------------------------|--|-------------------------|
| Thermal spraying | Flame spraying | | | |
| | Plasma spraying | | | |
| | Detonation spraying | | | |
| | High speed flame spraying | | | |
| | Cold gas spraying | | | |
| | Laser spraying | | | |
| | Arc spraying | | | |
| | | | | |
| | KTL-Coating | | | |
| | Varnishing | | | |
| | Powder coating | | | |
| | Rubberizing | | | |
| | Rilsan coating | | | |
| | Galvanizing | | | |
| | Burnishing | | | |
| | Chromating | | | |
| | Anodizing | | | |
| | Hot-galvanizing | | | |
| | Bonderizing | | | |
| | Nitrifying | | | |

2.3 What types of heat treatment can your company perform?

(1 = Priority; 2 = Standard; 3 = Treatment possible; 4 =not in the program; A = Assignment at outside firms)

| | Production programme (weighting) | biggest possible dimensions (LxWxD) | Procedure-specific data |
|---------------------|----------------------------------|-------------------------------------|-------------------------|
| Age-hardening | | | |
| Tempering | | | |
| Carburization | | | |
| Boronizing | | | |
| Homogenizing | | | |
| Case-hardening | | | |
| Flame-hardening | | | |
| Gas nitriding | | | |
| Induction hardening | | | |

| | Production programme (weighting) | biggest possible dimensions (LxWxD) | Procedure-specific data |
|--|----------------------------------|-------------------------------------|-------------------------|
| Solution annealing | | | |
| Normalizing | | | |
| Salt bath nitrocarburizing (tenifer treatment, liquid nitriding) | | | |
| Stress-free annealing | | | |
| Hydrogen-free annealing | | | |
| Spheroidize annealing | | | |
| Vacuum annealing | | | |
| Hardening and tempering | | | |

2.4 Maximum machinable workpiece dimensions:

| Department | Dimensions (LxWxD) | Crane capacities (to.) |
|------------|--------------------|------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

2.5 Which of the measuring instruments does your company have?

| No. | measuring instruments | available | | Test interval (in years) | Manufacturer / exact designation | Remarks |
|-----|---|-----------|----|--------------------------|----------------------------------|---------|
| | | yes | no | | | |
| 1 | Analytical balance | | | | | |
| 2 | Balancing machines | | | | | |
| 3 | Baldwin | | | | | |
| 4 | Handle micrometer screws | | | | | |
| 5 | Torque wrench testing set | | | | | |
| 6 | Installation micrometer screws | | | | | |
| 7 | Setting dimension for handle micrometer screw | | | | | |
| 8 | Shims outside | | | | | |
| 9 | Shims inside | | | | | |
| 10 | Web-threading chain | | | | | |
| 11 | Electrical measuring instruments | | | | | |
| 12 | Color measuring role | | | | | |
| 13 | spring test equipment | | | | | |
| 14 | Spring balances | | | | | |
| 15 | Dial indicator | | | | | |
| 16 | Dial indicator micrometer screws | | | | | |
| 17 | Surface measurements | | | | | |

| No. | measuring instruments | available | | Test interval (in years) | Manufacturer / exact designation | Remarks |
|-----|---|-----------|----|--------------------------|----------------------------------|---------|
| | | yes | no | | | |
| 18 | Flux machine | | | | | |
| 19 | Form shape measuring instruments | | | | | |
| 20 | Sensing lever measuring instruments | | | | | |
| 21 | Thread reel gauges | | | | | |
| 22 | Thread plug gauges | | | | | |
| 23 | Thread ring gauges | | | | | |
| 24 | Internal screw thread gauge | | | | | |
| 25 | Tolerance plug gauges | | | | | |
| 26 | Rubber blanket thickness-measuring device | | | | | |
| 27 | Straight edge | | | | | |
| 28 | Hardness testing set | | | | | |
| 29 | Hardness comparison plate | | | | | |
| 30 | Altimeter | | | | | |
| 31 | Altimeter screws | | | | | |
| 32 | Altimeter | | | | | |
| 33 | Cladding circle measuring instruments | | | | | |
| 34 | Interior precision measuring instrument (Subito)+ dia. Test | | | | | |
| 35 | Interior micrometer screws | | | | | |
| 36 | Interior measuring instrument 3-point with shim | | | | | |
| 37 | Interior groove caliper gauge | | | | | |
| 38 | Ball gauge | | | | | |
| 39 | Cone measuring instruments | | | | | |
| 40 | Surfacing pin gauge | | | | | |
| 41 | Spline caliper gauge | | | | | |
| 42 | Coordinate measuring apparatuses | | | | | |
| 43 | Load sensing device | | | | | |
| 44 | Length measuring bank ULM ABBE | | | | | |
| 45 | Length measure at surface plate | | | | | |
| 46 | Ring gauges | | | | | |
| 47 | Rulers (flat) | | | | | |
| 48 | Hole spacing caliper gauge | | | | | |
| 49 | Marameter | | | | | |
| 50 | Metering wheel | | | | | |
| 51 | Surface plate (stone) | | | | | |
| 52 | Caliper gauge | | | | | |
| 53 | Measuring rod | | | | | |
| 54 | Test keys / Milligraph/ Millitron | | | | | |
| 55 | Dial gauge | | | | | |
| 56 | Dial gauge metering device | | | | | |
| 57 | Inclination measuring instrument | | | | | |
| 58 | Slot surface gauge | | | | | |
| 59 | Slot micrometer screws | | | | | |
| 60 | Slot measuring instruments | | | | | |
| 61 | Surface measuring instruments | | | | | |
| 62 | Surface testing standard | | | | | |
| 63 | Block gauges | | | | | |
| 64 | Prism anvil screws | | | | | |
| 65 | Gauges | | | | | |

| No. | measuring instruments | available | | Test interval (in years) | Manufacturer / exact designation | Remarks |
|-----|---|-----------|----|--------------------------|----------------------------------|---------|
| | | yes | no | | | |
| 66 | Testing standard for snap gauges | | | | | |
| 67 | Testing standard for pitch and profile of helix | | | | | |
| 68 | Testing standard for "aggra" gauge | | | | | |
| 69 | Testing pins | | | | | |
| 70 | Testing devices | | | | | |
| 71 | Testing cylinders | | | | | |
| 72 | Snap gauges | | | | | |
| 73 | Turntable | | | | | |
| 74 | Sand testing set | | | | | |
| 75 | Scan Max | | | | | |
| 76 | Shearing stress hardness tester | | | | | |
| 77 | Layer thickness measuring instruments | | | | | |
| 78 | Push button | | | | | |
| 79 | Hexagonal tolerance plug gauges | | | | | |
| 80 | micrometer pressure gauge | | | | | |
| 81 | Shore-hardness testing set | | | | | |
| 82 | Sine ruler | | | | | |
| 83 | Sine table | | | | | |
| 84 | Spectrometer | | | | | |
| 85 | Blanking systems | | | | | |
| 86 | Dipping temperature gauge | | | | | |
| 87 | Divider | | | | | |
| 88 | Dividing head (rotary encoder) | | | | | |
| 89 | Plate micrometer screws | | | | | |
| 90 | Depth micrometer screws | | | | | |
| 91 | Depth measuring instrument | | | | | |
| 92 | Depth measuring gauge | | | | | |
| 93 | Primary rotation encoder | | | | | |
| 94 | Primary gauge block | | | | | |
| 95 | Primary cone | | | | | |
| 96 | Gear tooth gauge | | | | | |
| 97 | Pre-analysing instrument | | | | | |
| 98 | Roller measuring instrument | | | | | |
| 99 | Wall thickness micrometer screws | | | | | |
| 100 | Angle 90 degrees | | | | | |
| 101 | Angle gauge blocks | | | | | |
| 102 | Protractor | | | | | |
| 103 | Angle standard measurement | | | | | |
| 104 | Angle table | | | | | |
| 105 | gear wheel individual defect test equipment | | | | | |
| 106 | Tension testing machine | | | | | |
| 107 | Radial composite testing equipment | | | | | |

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|--------|-------------|------|-----------|
| | | | |
| Signer | Departement | Date | Signature |