

<b>KOENIG &amp; BAUER</b>	<b>Protokoll</b>		<b>QMH Band 3</b>
	<b>Title:</b>	<b>Supplier self information II - Range of Services-</b>	<b>L 934.201.0</b>

**1. General Information about the company**

Koenig & Bauer Supplier-no.

Company

Postal address

Delivery address

Telephone  Fax

E-Mail

Internet-Adresse:

Supplier's code for Koenig & Bauer

**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
<b>Separating (no contact)</b>	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									
<b>Separating (mechanically)</b>	Nibbling									
	Roller straightening									
	Punching									
	Edge bending									
	Trimming									

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	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
<b>Cutting treatment</b>	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 tothing								
	Spline shaft profile inside (DIN 5480)								
Spline shaft profile outside (DIN 5480)									
Broaching (key grooving)									

<b>Joining - Welding / Soldering</b>	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								

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		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
<b>Transforming</b>	Moulding									
	Pipe bending									
	(Deep) drawing									
	Drop forging									
	Thread pressing									
<b>Other tasks</b>	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
<b>Cleaning / Deburring</b>	Lapping			
	Brushing			
	Polishing			
	Electrochemical polishing			
	Vibratory grinding			
	Ultrasonic cleaning			
	Pickling			
	Electrolytic degreasing			
	Chemical degreasing			
	Shot peening			
	Glass bead blasting			
	Sandblasting			

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		Production programme (weighting)	biggest possible dimensions (LxWxD)	Procedure-specific data
<b>Thermal spraying</b>	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				

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	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					

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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					
108						
109						

Signer	Department	Date	Signature
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