



# MANUFACTURING CAPABILITIES

14/06/2004

# MACHINING

## Turning

### NC/ CNC Lathes:

**INDEX ABC52** – Single spindle CNC automatic, max. turning dia. 60mm, max. length 95mm, turret tool stations capacity 8+6 (in two stations), 1 driven tool; economical production batch 6 000pcs.

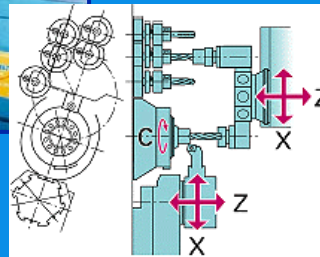
**INDEX ABC36** – Single spindle CNC automatic, max. turning dia. 42mm, max. length 95mm, turret tool stations capacity 8+6 (in two stations), 1 driven tool; economical production batch 8 000pcs.

**GILDEMEISTER TWIN32** - Dual spindle turning center, 4-axes machining on spindle 1, or simultaneous dual axis machining on both spindles, max. turning dia. 42mm, max. length 580mm, with turret tool station capacity 12; economical production batch 10 000pcs

Achieved accuracy IT 7, roughness Ra 1,6



INDEX ABC 36



GILDEMEISTER TWIN 32

14/06/2004



# MACHINING

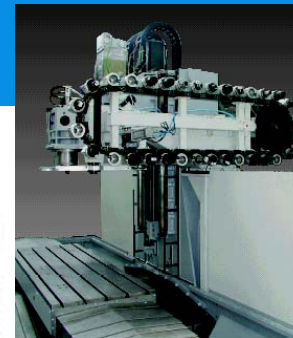
## Milling

**CNC milling machines:**

**TAJMAC MCFV2080** – 3 axis milling center, 8000 rpm, direct change 16 tool ATC (chain), thermally stabilized spindle (independent cooling), axis x/y/z: 2030/810/810mm, table 2200x780mm, max. load 3000kg

**FV 30 CNC** - 3 axis milling center, axis x/y/z: 600/300/110mm, max load 300kg

*Achieved accuracy IT 7, roughness Ra 1,6 (0,8)*



TAJMAC MCFV2080

FV 30 CNC

14/06/2004

# HEAT TREATMENT

## Al-alloys, steels

**Chamber furnace** (400x500x600mm), 1200°C, inert atmosphere (Ar)

**Shaft furnace** (dia 700 x 1500mm), 650°C

**Oil bath** (400x400x 600)

**Water bath** (dia 700 x 1500mm)



CHAMBER FURNACE



SHAFT FURNACE



OIL AND WATER  
BATH



14/06/2004



# FORMING

## Al-alloys

**LH 1000** – 4 column two cylinder hydraulic press 1200x700mm, max. release 500mm, max pressing force 10 MN (1000t)

**Rubber-press tool for LH 1000** – max. pressure 20MPa



HL 1000 WITH RUBBER PRESS TOOL



14/06/2004

# CNC MEASUREMENT

**WENZEL LH87** – 3 dimensional CNC measuring, axis x/y/z: 1500/800/700mm

Accuracy 0.005mm



WENZEL LH 87 1 3D



DETAIL OF WENZEL LH 87 1 3D



PC CONTROL UNIT OF  
WENZEL LH 87 1 3D

14/06/2004



# TYPICAL PRODUCTS

**MACHINING PARTS** - small parts from Al-alloys or steels



| POZICIE | POZICIE | POZICIE | POZICIE | POZICIE | POZICIE |
|---------|---------|---------|---------|---------|---------|
| 1       | 2       | 3       | 4       | 5       | 6       |
| 7       | 8       | 9       | 10      | 11      | 12      |
| 13      | 14      | 15      | 16      | 17      | 18      |
| 19      | 20      | 21      | 22      | 23      | 24      |
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| 769     | 770     | 771     | 772     | 773     | 774     |
| 775     | 776     | 777     | 778     | 779     | 780     |
| 781     | 782     | 783     | 784     | 785     | 786     |
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| 799     | 800     | 801     | 802     | 803     | 804     |
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| 877     | 878     | 879     | 880     | 881     | 882     |
| 883     | 884     | 885     | 886     | 887     | 888     |
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| 901     | 902     | 903     | 904     | 905     | 906     |
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| 955     | 956     | 957     | 958     | 959     | 960     |
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| 1159    | 1160    | 1161    | 1162    | 1163    | 1164    |
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| 1303    | 1304    | 1305    | 1306    | 1307    | 1308    |
| 1       |         |         |         |         |         |

# TYPICAL PRODUCTS

**FORMED PARTS** - molded parts from Al-alloys, made on rubber-press tool



14/06/2004



# TYPICAL PRODUCTS

**ASSEMBLY JIGS** - tools for aeroplanes unit assembly (wing, tail unit...)



14/06/2004

## REFERENCE LIST

*Aero Vodochody (Boeing Group), Czech Republic*

*ANDREAS STIHL AG & Co. KG, Germany*

*E.I.S. Aircraft GmbH, Germany*

*Marshall Aerospace, United Kingdom*

*Škoda Auto a.s., Czech Republic*

*Vulcan Air S.p.A., Italy*

*Wolfsberg Aircraft NV, Belgium*

*Letecká továrna, s.r.o., Czech Republic*

*ACR, Germany*

*IKARUSFLUG, Germany*

*Moravan, Czech Republic*

*Technometra, Czech Republic*

*Socata, France*

*Labinal, France*

*Jihlavan, Czech Republic*





# APPROVALS

- *ISO 9001 certificate issued by KEMA Registered Quality*
- *Product Organization Approval according to JAR 21 Subpart G for production of aircraft products, parts and appliances*
- *CAA approvals for maintenance and repair, testing and design*

14/06/2004

# COMMUNICATION

- *Internet* - 192 kb/sec
- *Virtual Private Net* - 64 kb/sec
- *E-mail* (max. 10 MB/file), *FTP* (up to 600 MB)
- *ISDN line* - 64 kb/sec

14/06/2004



## CONTACT

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[marketing@evektor.cz](mailto:marketing@evektor.cz)

**Kunovice Airport coordinates:**

Geographical coordinates of airport reference point  
AFTN

Allowed mode of operation (IFR/VFR)

MET service room

Airport control

49 01 48 N 17 26 30 E , RWY 03C/21 C  
LKKUZZX

IFR/VFR

+420 572 564 105, 817 630

+420 572 564 131, 817 600

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