

## NEON MACHINE - MACHINERY

| No. | Machine Class              | Machine Brand      | Machine Name                              | Machine Model           | Year of manufacture | Technical Specifications   |
|-----|----------------------------|--------------------|---|-------------------------|---------------------|--|
| 1   | CNC Lathe                  | Daewoo Doosan      | CNC Vertical Lathe                        | V550M                   | 2017                | Max. turning diameter : Ø800 mm , Max. Turning Length : 750 mm                                 |
| 2   |                            | Mori - Seiki       | CNC Lathe                                 | NLX2500 (C-Y Axis)      | 2014                | Max. turning diameter : Ø500 mm , Max. Turning Length : 1250 mm                                |
| 3   |                            | Mori - Seiki       | CNC Lathe                                 | NLX2500 (C-Y Axis)      | 2015                | Max. turning diameter : Ø500 mm , Max. Turning Length : 1250 mm                                |
| 4   |                            | Daewoo Doosan      | CNC Lathe                                 | PUMA GT 2100MB (C Axis) | 2015                | Max. turning diameter : Ø300 mm , Max. Turning Length : 513 mm                                 |
| 5   |                            | Daewoo Doosan      | CNC Lathe                                 | PUMA GT 2100 (C Axis)   | 2015                | Max. turning diameter : Ø390 mm , Max. Turning Length : 562 mm                                 |
| 6   |                            | Takisawa           | CNC Lathe                                 | NEX 108                 | 2013                | Max. turning diameter : Ø320 mm , Max. Turning Length : 481 mm                                 |
| 7   |                            | Takisawa           | CNC Lathe                                 | NEX 108                 | 2013                | Max. turning diameter : Ø320 mm , Max. Turning Length : 481 mm                                 |
| 8   |                            | Daewoo Doosan      | CNC Lathe                                 | LYNX220B                | 2013                | Max. turning diameter : Ø320 mm , Max. Turning Length : 305 mm                                 |
| 9   |                            | Daewoo Doosan      | CNC Lathe                                 | PUMA 280 L              | 2008                | Max. turning diameter : Ø420 mm , Max. Turning Length : 1078 mm                                |
| 10  |                            | Daewoo Doosan      | CNC Lathe                                 | Lynx220MA[LMA]          | 2006                | Max. turning diameter : Ø250 mm , Max. Turning Length : 290 mm                                 |
| 11  |                            | Daewoo Doosan      | CNC Lathe                                 | PUMA 240 LC             | 2006                | Max. turning diameter : Ø350 mm , Max. Turning Length : 510 mm                                 |
| 12  |                            | Daewoo Doosan      | CNC Lathe                                 | PUMA 240 LC             | 2006                | Max. turning diameter : Ø350 mm , Max. Turning Length : 510 mm                                 |
| 13  |                            | Daewoo Doosan      | CNC Lathe                                 | LYNX220B                | 2007                | Max. turning diameter : Ø320 mm , Max. Turning Length : 305 mm                                 |
| 14  |                            | Femco              | CNC Lathe                                 |                         | 2003                | Max. turning diameter : Ø300 mm , Max. Turning Length : 500 mm                                 |
| 15  | CNC Milling                | Mori - Seiki       | CNC Horizontal Machining Center           | NHX 5500                | 2017                | Travel X = 730mm Y=730mm Z=880mm   |
| 16  |                            | Mori - Seiki       | CNC Horizontal Machining Center           | NHX 6300                | 2014                | Travel X = 1050mm Y=900mm Z=1030mm   |
| 17  |                            | Enshu              | CNC Horizontal Machining Center           | GE-460He                | 2016                | Travel X = 600mm Y=600mm Z=600mm   |
| 18  |                            | Daewoo Doosan      | CNC Vertical Machining Center             | VC510                   | 2012                | Travel X = 600mm Y=516mm Z=570mm   |
| 19  |                            | Daewoo Doosan      | CNC Vertical Machining Center             | NM 410                  | 2007                | Table : 920 x 460 mm   |
| 20  |                            | Daewoo Doosan      | CNC Vertical Machining Center             | NM 650 II               | 2004                | Table : 1120 x 500 mm  |
| 21  | Grinding                   | Studer             | CNC Cylindrical & Hole Grinding           | Favorit                 | 2014                | Max. diameter : 350 mm , Max. grinding length : 650 mm   |
| 22  |                            | Tos                | Universal Cylindrical Grinding            | BHU 25                  |                     | Max. diameter : 280 mm , Max. grinding length : 1000 mm  |
| 23  | Gear Profile Grinding      | Liebherr           | Profile Grinding Machine                  | LCS 380                 | 2008                | Maximum diameter: Ø380 mm , Max. module: 8   |
| 24  |                            | Burri              | Grinding Worm Pre-Former                  | BZ 331                  | 2012                | Maximum diameter: Ø380 mm , Max. module: 7   |
| 25  | Bevel Gear Generator       | Wmw                | Bevel Gear Generator                      | (ZFTK500-1) ZFTK500X10  | 1987                | Maximum diameter: Ø500 mm , Gear width: 70 mm , Max. module: 12                                |
| 26  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK500-2) ZFTK500X10  | 1987                | Maximum diameter: Ø500 mm , Gear width: 70 mm , Max. module: 12                                |
| 27  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK500-1) ZFTK500X10  | 1987                | Maximum diameter: Ø500 mm , Gear width: 70 mm , Max. module: 12                                |
| 28  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK500-2) ZFTK500X10  | 1987                | Maximum diameter: Ø500 mm , Gear width: 70 mm , Max. module: 12                                |
| 29  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK500-2) ZFTK500X10  | 1987                | Maximum diameter: Ø500 mm , Gear width: 70 mm , Max. module: 12                                |
| 30  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK250-1) ZFTK250X5   | 1991                | Maximum diameter: Ø250 mm , Gear width: 40 mm , Max. module: 7                                 |
| 31  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK250-2) ZFTK250X5   | 1991                | Maximum diameter: Ø250 mm , Gear width: 40 mm , Max. module: 7                                 |
| 32  |                            | Wmw                | Bevel Gear Generator                      | (KH26-1) ZSTK280X8 26HS | 1958                | Maximum diameter: Ø250 mm , Gear width: 50 mm , Max. module: 9                                 |
| 33  |                            | Wmw                | Bevel Gear Generator                      | (ZFTK250-2) ZFTK250X5   | 1991                | Maximum diameter: Ø250 mm , Gear width: 40 mm , Max. module: 7                                 |
| 34  |                            | Wmw                | Bevel Gear Generator                      | ZSTK280X8 26HS          | 1958                | Maximum diameter: Ø280 mm , Gear width: 50 mm , Max. module: 9                                 |
| 35  |                            | Wmw                | Bevel Gear Generator                      | ZSTK280X8 25HS          | 1944                | Maximum diameter: Ø280 mm , Gear width: 50 mm , Max. module: 9                                 |
| 36  |                            | Wmw                | Bevel Gear Generator                      | ZSTK280X8 25HS          | 1963                | Maximum diameter: Ø280 mm , Gear width: 50 mm , Max. module: 9                                 |
| 37  |                            | Wmw                | Bevel Gear Generator                      | ZSTK280X8 25HS          | 1959                | Maximum diameter: Ø280 mm , Gear width: 50 mm , Max. module: 9                                 |
| 38  |                            | Gromag             | Bevel Gear Generator                      | Gleason Gear Generator  | 1964                |  |
| 39  | Gear Hobbing Machine       | Yunil              | CNC Gear Hobbing Machine                  | HERA 350                | 2016                | Maximum diameter: Ø350 mm , Maximum module: 8  |
| 40  |                            | Ricardon           | CNC Gear Hobbing Machine                  | R200                    | 2003                | Maximum diameter: Ø250 mm , Maximum module: 5  |
| 41  |                            | Ricardon           | CNC Gear Hobbing Machine                  | R200                    | 1998                | Maximum diameter: Ø270 mm , Maximum module: 6  |
| 42  |                            | Stankoimport       | Gear Hobbing Machine                      | 5K301N                  |                     | Maximum diameter: Ø1000 mm , Gear width: 500 mm , Maximum module: 13                           |
| 43  |                            | Zm Ursus           | Gear Hobbing Machine                      | NR INWEN TARZOWY        |                     | Maximum diameter: Ø1000 mm , Gear width: 500 mm , Maximum module: 13                           |
| 44  | Gear Shaping Machine       | S&T Dynamics       | Gear Shaping Machine                      | GSP-250                 | 2013                | Max. module 6, Maximum diameter: 250 mm, Maximum cutting height: 65 mm                         |
| 45  |                            | Lorenz             | Gear Shaping Machine                      | SIV00                   |                     | Max. module 4, Maximum diameter: 180 mm, Maximum cutting height: 45 mm                         |
| 46  |                            | Lorenz             | Gear Shaping Machine                      | SRJV.D                  |                     | Max. module 4, Maximum diameter: 180 mm, Maximum cutting height: 45 mm                         |
| 47  |                            | Lorenz             | Gear Shaping Machine                      | S4/180                  |                     | Max. module 4, Maximum diameter: 180 mm, Maximum cutting height: 45 mm                         |
| 48  |                            | Tos Celakovice N.P | Gear Shaping Machine                      | OHA-50A                 |                     |  |
| 49  |                            | Tortona            | Gear Shaping Machine                      |                         |                     | Max. module 8, Maximum diameter: 500 mm, Maximum cutting height: 150 mm                        |
| 50  | Gear Shaving Machine       | Hartech            | Cnc Gear Shaving Machine                  | HGS 4H-NC4              | 2017                | Maximum diameter: 400 mm , Max. module: 8 , Max. teeth with : 150mm                            |
| 51  |                            | Stankoimport       | Gear Shaving Machine                      | ABC023434               | 1986                | Maximum diameter: 600mm  |
| 52  | Tool Pre-setting Devices   | Dmg - Mori         | Tool Presetters                           | UNO 20140               | 2017                | Automatic tool measurement in 3 axes   |
| 53  |                            | Dmg - Mori         | Shrink Fit Device                         | Power Clamp Comfort NG  | 2017                | Inductive shrink fit unit for solid carbide and HSS tools from Ø 3-32 mm                       |
| 54  | Hob Sharpening Machine     | Hurt               | Gear Shaving Cutter Sharpening Machine    | SRS 400                 | 1993                |  |
| 55  |                            | Werkö              | Hob Sharpening Machine                    |                         |                     |  |
| 56  |                            | Klingelberg        | Hob Sharpening Machine                    |                         |                     |  |
| 57  | Shaping Sharpening Machine | Kobold             | Shaping Sharpening Machine                | 648 Schütte / WU 2 Ms   | 1970                |  |
| 58  | Gear Chamfering Machine    | Hurt               | Gear Chamfering Machine                   |                         | 1975                |  |
| 59  |                            | Sigmat             | Gear Chamfering Machine                   |                         | 1975                |  |
| 60  |                            | Picco Angelo       | Gear Chamfering Machine                   | 20022 Cistano           |                     |  |
| 61  | Band Saw                   | Kar Metal          | Band Saw                                  | 500 W05 M2              | 2016                | Main Engine : 5,5kW , 90° cutting max. diameter Ø500, Cutting speed: 20-100 m/min              |
| 62  |                            | Kar Metal          | Band Saw                                  | SO 280                  | 2005                | Main Engine : 1,5kW , 90° cutting max. diameter Ø280, Cutting speed: 20-100 m/min              |
| 63  |                            | Kar Metal          | Band Saw                                  | SO 280                  | 2004                | Main Engine : 1,5kW , 90° cutting max. diameter Ø280, Cutting speed: 20-100 m/min              |
| 64  | Broach                     | Neon               | Broach                                    |                         | 2015                |  |
| 65  |                            | Neon               | Broach                                    |                         | 2002                |  |
| 66  | Universal Machines         | Tezsan             | Universal Lathe                           | SN50C                   | 1987                | Maximum diameter: 500 mm, Counter width: 230mm, Spindle and talstock diameter: 1500 mm         |
| 67  |                            | Tempo              | Drill                                     |                         |                     |  |
| 68  |                            | Tos                | Universal Milling Machine                 | A3A-U                   |                     |  |
| 69  | Quality Control            | Wenzel             | Coordinate Measuring Machine              | LH 87                   | 2013                | Measuring range ; X= 800 mm Y= 1500 mm Z=700 mm, Max. Speed 3D: 700 mm/s                       |
| 70  |                            | Klingelberg        | Gear Measuring Machine                    | P40                     | 2016                | Module range = 0,5-15 Max. Outside dia. Of gear = Ø400 Helix angle range 0°-90°                |
| 71  |                            | Mahr               | Contour Measuring Stations                | Marsurf XC2             | 2014                | Measuring range ; Z= 50 mm for 350 mm , Resolution relative to stylus tip : 0.38 µm for 350 mm |
| 72  |                            | Mitutoyo           | Microscope for Metal                      | Argenti 1701228         | 2017                | Optical Zoom x500  |
| 73  |                            | Mitutoyo           | Surface Roughness Tester                  | SurfTest SJ 201 P       |                     | Measuring range ; X= 12,5 mm Z= 350 µm Parameters ; Ra, Ry, Rz, Rt, Rp, Rq, Rv, Sm, S, Pc, R3z |
| 74  |                            | Procut             | Cutting machine                           |                         | 2017                |  |
| 75  |                            | Bainpol            | Polishing machine                         | VTD-8"                  | 2017                |  |
| 76  |                            | Mitutoyo           | Micro vikers hardness tester              | HM210                   | 2017                |  |
| 77  |                            | Affri              | Rockwell & Brinell hardness tester        | 206 EX (R+B)            | 2017                |  |
| 78  |                            | Stiefelmayer       | Bevel Gear Testing Machine (Double Flank) |                         |                     |  |
| 79  | Laser Marking              | Nanovis            | Laser Marking                             | NANOVIS6W               | 2014                |  |
| 80  | Washing Machine            | Dolfin             | Tunnel Type Washing Machine               |                         | 2017                |  |

|    |                |                 |                |  |      |          |
|----|----------------|-----------------|----------------|--|------|----------|
| 81 | Hydrolic Press | Manastech       | Hydrolic Press |  | 2014 | 20 Tons  |
| 82 | Cranes         | Güralp          | Cranes         |  | 2016 | 6,3 Tons |
| 83 |                | Abra            | Cranes         |  | 2016 | 5 Tons   |
| 84 | Software       | Nx CAD          |                |  | 2012 |          |
| 85 |                | Nx CAM          |                |  | 2012 |          |
| 86 |                | Kiss soft       |                |  | 2014 |          |
| 87 |                | Geartech        |                |  | 2014 |          |
| 88 |                | Solidworks Pro. |                |  | 2014 |          |

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