

MACHINE/INSTRUMENT						
DESCRIPTION	MANUFACTURER	TYPE	COUNTRY OF ORIGIN	MAN.YEAR	CAPACITY	ACCESSORIES AND MAIN CHARACTERISTICS
<b>CNC MACHINERY- TURNING AND SWISS TYPE TURNING(CNC-LANGDREHAUTOMATEN)</b>						
CNC TURNING MACHINE	MAZAK	QUICKTURN 10	JAPAN	1997	42 MM OD BAR/180 MM CHUCK x256 MM L	CNC TAILSTOCK AND BAR FEEDER
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CNC TURNING MACHINE	DOOSAN-DAEWOO	LYNX 210B	KOREA	2004	280 MM OD x 305 MM L	
CNC TURNING MACHINE	DOOSAN-DAEWOO	LYNX 210B	KOREA	2004	280 MM OD x 305 MM L	
CNC TURNING MACHINE	DOOSAN-DAEWOO	LYNX 220B	KOREA	2005	280 MM OD x 305 MM L	CNC TAILSTOCK
CNC TURNING MACHINE	DOOSAN-DAEWOO	LYNX 220B	KOREA	2005	280 MM OD x 305 MM L	CNC TAILSTOCK
CNC TURNING MACHINE	DOOSAN-DAEWOO	LYNX 220L	KOREA	2007	280 MM OD x 550 MM L	CNC TAILSTOCK
CNC TURNING MACHINE	DOOSAN-DAEWOO	PUMA 240-C	KOREA	2005	350 MM OD x 550 MM L	CNC TAILSTOCK, HIGH TORQUE
CNC TURNING MACHINE	DOOSAN-DAEWOO	PUMA 240-C	KOREA	2005	350 MM OD x 550 MM L	CNC TAILSTOCK, HIGH TORQUE
CNC TURNING MACHINE	DOOSAN-DAEWOO	PUMA 240-C	KOREA	2005	350 MM OD x 550 MM L	CNC TAILSTOCK, HIGH TORQUE
CNC TURNING MACHINE WITH C-AXIS (Turn+Mill)	DOOSAN-DAEWOO	PUMA 240-M	KOREA	2007	350 MM OD x 550 MM L	CNC TAILSTOCK, HIGH TORQUE, C-AXIS
CNC TURNING MACHINE	DOOSAN-DAEWOO	PUMA 280-L	KOREA	2007	500 MM OD x 1200 MM L	CNC TAILSTOCK, HIGH TORQUE
CNC TURNING MACHINE WITH C-AXIS (Turn+Mill)	DOOSAN-DAEWOO	PUMA 280-LM	KOREA	2010	500 MM OD x 1200 MM L	CNC TAILSTOCK, HIGH TORQUE, C-AXIS
CNC TURNING MACHINE WITH C-AXIS (Turn+Mill)	DOOSAN-DAEWOO	LYNX 220M	KOREA	2011	51 MM OD BAR/250 MM CHUCK x290 MM L	BAR FEEDER/LOADER, PART CATCHER, C-AXIS
CNC TURNING MACHINE WITH C-AXIS (Turn+Mill)	DOOSAN-DAEWOO	PUMA 2100M	KOREA	2011	65 MM OD BAR/406 MM CHUCK x520 MM L	BAR FEEDER/LOADER, PART CATCHER, C-AXIS, CNC TAILSTOCK
CNC TURNING MACHINE WITH Y-AXIS (Turn+Mill)	DOOSAN-DAEWOO	PUMA 2600Y	KOREA	2011	76 MM OD BAR/376 MM CHUCK x720 MM L, 100 mm Y-Axis travel	CNC TAILSTOCK, C and Y-AXIS
CNC TURNING MACHINE	LEADWELL	LT25	TAIWAN	1998	340 MM OD x 530 MM L	CNC TAILSTOCK
AUTOMATIC PRODUCTION LATHE	MC LEAN INC.	#850	USA	2005	25.4 MM OD x 25.4 MM FEED	3 AXIS SIMULTANEOUS CONTROL
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CNC SWISS TYPE TURNING MACHINE (LANGDREHAUTO.)	TORNOS-BECHLER	ENC-163	SWITZERLAND	1999	20 MM OD x OPEN L	C-AXIS SUB SPINDLE
CNC SWISS TYPE TURNING MACHINE (LANGDREHAUTO.)	STAR	RNC-16	SWITZERLAND	1993	18 MM OD x OPEN L	BALANCE CUT
CNC SWISS TYPE TURNING MACHINE (LANGDREHAUTO.)	CITIZEN-CINCOM	B-12	JAPAN	1996	12 MM OD x 135 MM L	12000 RPM, SUB-SPINDLE
CNC SWISS TYPE TURNING MACHINE (LANGDREHAUTO.)	CITIZEN-CINCOM	B-12	JAPAN	1996	12 MM OD x 135 MM L	12000 RPM, BAR LOADER
<b>CNC MACHINERY - MACHINING CENTRES &amp; MULTI-AXIS MILLING</b>						
CNC 3-AXIS VERTICAL MACHINING CENTER	HARDINGE	V/MC 1000 II	USA/TAIWAN	2003	1000x510x510 MM(XYZ)	CNC ROT.AXIS (A-AXIS), 12500 RPM, THROUGH SPINDLE COOL.
CNC 3-AXIS VERTICAL MACHINING CENTER	CINCINNATI MILACRON	ARROW 1000	USA/UK	2003	1060x510x650 MM(XYZ)	CNC ROT.AXIS (A-AXIS)
CNC 3-AXIS VERTICAL MACHINING CENTER	DAEWOO	ACE V430	KOREA	2003	560x430x570 MM(XYZ)	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 3-AXIS VERTICAL MACHINING CENTER	DAEWOO	ACE V430	KOREA	2004	560x430x570 MM(XYZ)	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 3-AXIS VERTICAL MACHINING CENTER	DAEWOO	ACE V430	KOREA	2005	560x430x570 MM(XYZ)	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 3-AXIS VERTICAL MACHINING CENTER	DAEWOO	ACE V430	KOREA	2005	560x430x570 MM(XYZ)	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 3-AXIS VERTICAL MACHINING CENTER	DAEWOO	ACE V430	KOREA	2005	560x430x570 MM(XYZ)	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 4-AXIS HORIZONTAL MACHINING CENTER	DAEWOO	ACE HP6300	KOREA	2005	850x700x750 MM(XYZ) CONTINUOUS B-AXIS	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 4-AXIS HORIZONTAL MACHINING CENTER	DAEWOO-DOOSAN	ACE HP6300	KOREA	2007	1000x850x850 MM(XYZ) 1" Indexing B-AXIS	AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 4-AXIS HORIZONTAL MACHINING CENTER	DAEWOO-DOOSAN	ACE HP5100	KOREA	2011	850x700x750 MM(XYZ) CONTINUOUS B-AXIS	20,000 RPM SPINDLE, AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT
CNC 4-AXIS HORIZONTAL MACHINING CENTER	DAEWOO-DOOSAN	ACE HP5100	KOREA	2011	850x700x750 MM(XYZ) 1" Indexing B-AXIS	14,000 RPM SPINDLE, AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT 70 bar
CNC 4-AXIS HORIZONTAL MACHINING CENTER	MORI-SEIKI	NH5000 DCG	JAPAN	2011	850x700x750 MM(XYZ) CONTINUOUS B-AXIS	20,000 RPM SPINDLE, AUT.PALETTE CHANGER, THROUGH SPINDLE COOLANT 70 bar
CNC 4-AXIS VERTICAL MACHINING CENTER	HEDELIUS	C80/2300	GERMANY	2004	2300x800x600 MM(XYZ) CONTINUOUS A-AXIS	CNC 4-AXIS SIMULTANEOUS CONTROL, 12500 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY, DUAL WORKING
CNC 4-AXIS VERTICAL MACHINING CENTER	MAG	FTV1040-3700	GERMANY	2011	3700x1005x800 mm (XYZ) CONTINUOUS A-AXIS	CNC 4-AXIS SIMULTANEOUS CONTROL, 12500 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY, DUAL WORKING
CNC 5-AXIS VERTICAL MACHINING CENTER	DECKEL MAHO	DMU 50 eVolution	GERMANY	2001	500x420x380 MM(XYZ) A-AXIS(TILT) 180° B-AXIS(ROTATION) 360°	CNC 5-AXIS SIMULTANEOUS CONTROL, 18000 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY
CNC 5-AXIS VERTICAL MACHINING CENTER	DECKEL MAHO	DMU 50	GERMANY	2006	500x450x400 MM(XYZ) A-AXIS(TILT) 180° B-AXIS(ROTATION) 360°	CNC 5-AXIS SIMULTANEOUS CONTROL, 10000 RPM SPINDLE SPEED
CNC 5-AXIS VERTICAL MACHINING CENTER	DECKEL MAHO	DMU 70 eVolution	GERMANY	2003	750x600x520 MM(XYZ) A-AXIS(TILT) 180° B-AXIS(ROTATION) 360°	CNC 5-AXIS SIMULTANEOUS CONTROL, 18000 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY
CNC 5-AXIS VERTICAL MACHINING CENTER	DECKEL MAHO	DMU 60 Monoblock	GERMANY	2010	730x560x560 MM(XYZ) B-AXIS(TILT) -30 / 180° C-AXIS(ROTATION) 360°	CNC 5-AXIS SIMULTANEOUS CONTROL, 18000 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY
CNC 5-AXIS VERTICAL MACHINING CENTER	DECKEL MAHO	DMF 250 Linear	GERMANY	2007	2500x920x820 mm(XYZ) NC Sub Table, NC Swivel milling head	CNC 5-AXIS SIMULTANEOUS CONTROL, 18000 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY, DUAL WORKING
CNC 5-AXIS VERTICAL MACHINING CENTER	MAG	FTV5-3700	GERMANY	2011	3700x1005x800 mm(XYZ), CNC Swiveling milling head (A-Axis +/-45° and C-Axis +/-200°)	CNC 5-AXIS SIMULTANEOUS CONTROL, 18000 RPM SPINDLE SPEED, HIGH PRESSURE INT.COOL.SUPPLY, DUAL WORKING
<b>CONVENTIONAL MACHINERY and PROCESSES</b>						
UNIVERSAL TURNING M/C	DIVERSE					
UNIVERSAL MILLING M/C	DIVERSE					
VERTICAL BROACHING MACHINE	ARTHUR KLING	RISZ 25x1800x500	GERMANY	1974	25 TONS, 1800 MM STROKE	
PUNCH PRESSES	DIVERSE					
CENTERLESS GRINDER	MULTIMAT		GERMANY	1993	UP TO 35 TONS	
SURFACE GRINDER	BLOHM		GERMANY	1998	600 x 300 MAG.TABLE	FINMATIC
LAPPING MACHINES	DIVERSE					
DIE MAKER'S MILLING M/C	DIVERSE					
DRILL PRESSES	DIVERSE					
TURRET LATHES	DIVERSE					
VIBRO-DEBURRING	KROMAS	VM 100 ED+SR	TURKEY	1998	100 LT	
VIBRO-DRY AND POLISH	KROMAS	VM 100 K	TURKEY	1998	100 LT	
ULTRASONIC CLEANING	INTERSONIC		TURKEY	2007		
PASSIVATION AS PER AMS-QQ-P-35	MEKATES		TURKEY	2009	600 X 400 X 400 MM PROCESS TANK	
ALODINE 1200S AS PER MIL-DTL-5541	MEKATES		TURKEY	2009	600 X 400 X 400 MM PROCESS TANK	
<b>QUALITY CONTROL MACHINERY AND INSTRUMENTS</b>						
CNC 3-DIM. MEASURING CENTER (CMM)	LK	G-90C, 7,6	UK	1999	700x600x800 (XYZ)	DIGITIZER,SURFACE SCAN, MOTORIZED CNC ROT.PROBE HEAD
CNC 3-DIM. MEASURING CENTER (CMM)	LK	G-90C, 7,6	UK	2003	700x600x800 (XYZ)	DIGITIZER,SURFACE SCAN, MOTORIZED CNC ROT.PROBE HEAD
CNC 3-DIM. MEASURING CENTER (CMM)	WENZEL	LH 12.10-4000 X5	Germany	2010	4000x1200x1000 (XYZ)	DIGITIZER,SURFACE SCAN, MOTORIZED CNC ROT.PROBE HEAD
XRF Spectrometer	Innov-X-Systems	Alpha-2000	USA	2010	25 elements	Pass/Fail
Form Tracer	Mitutoyo	CV-3100	JAPAN	2010	100x50 mm	
SURFACE ROUGHNESS TESTER	MITUTOYO	SJ-201	JAPAN	2001		
HEIGHT GAUGE	MITUTOYO	DIGIMATIC HD	JAPAN	1998	300 MM	
GRANITE PLATE	MICROPLAN		ITALY	1998	400 X 630 MM	
MICROMETERS, VERNIERS, BORE GAGES,ETC	MITUTOYO		JAPAN	1998-2010	DIVERSE	
PROFILE PROJECTOR	MIKROTECNICA	AMTEUS	ITALY	1990	400 MM SCREEN	20 X MAGNIFYING
PROFILE PROJECTOR	MIKROTECNICA	HELIOS	ITALY	1996	350 MM SCREEN	10 X MAGNIFYING
PROFILE PROJECTOR	MITUTOYO		JAPAN	2000	300 MM SCREEN	20 X MAGNIFYING
HARDNESS TESTER	MITUTOYO		JAPAN	2000		