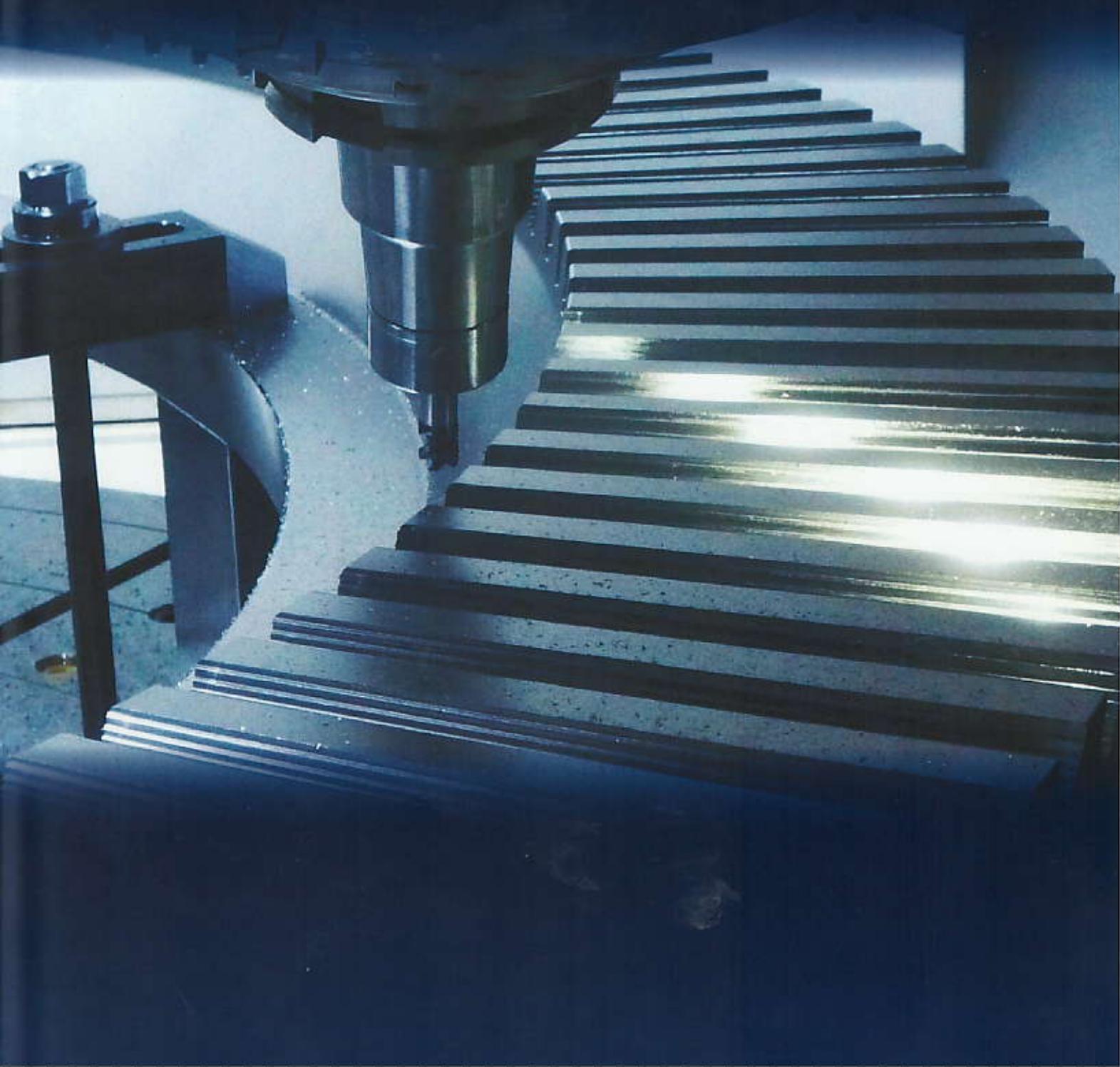


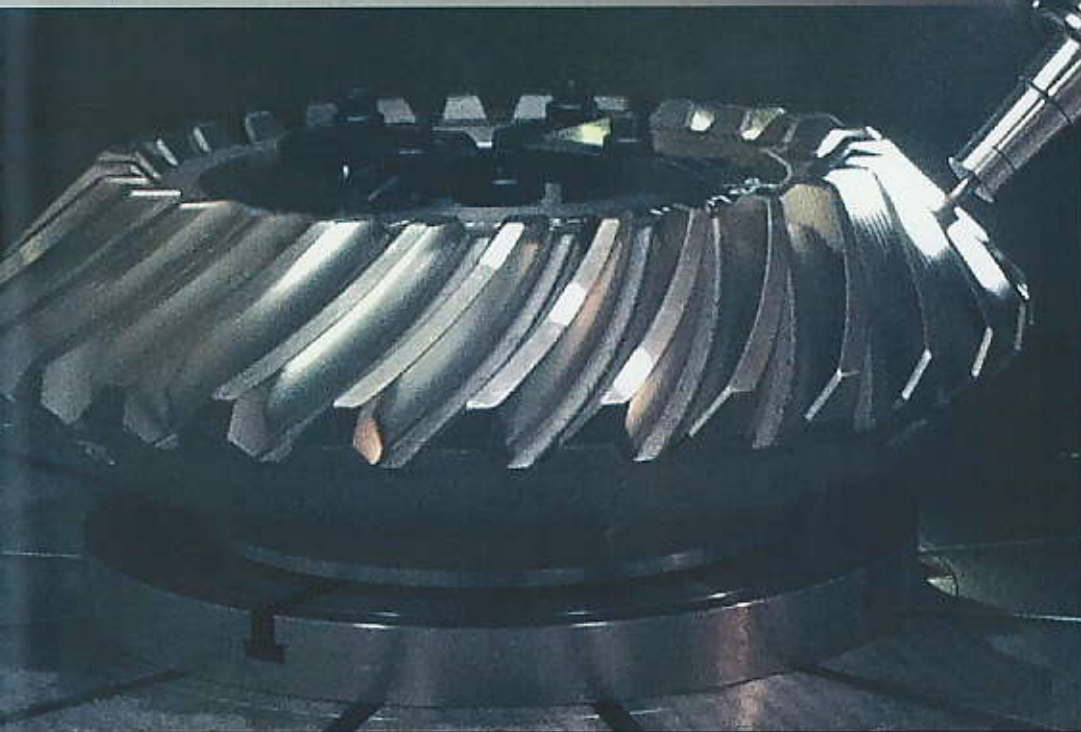
IWASA TECH.

Iwasa Tech ... World-Class Gears Since 1919



Milling Gears with Machining Centers

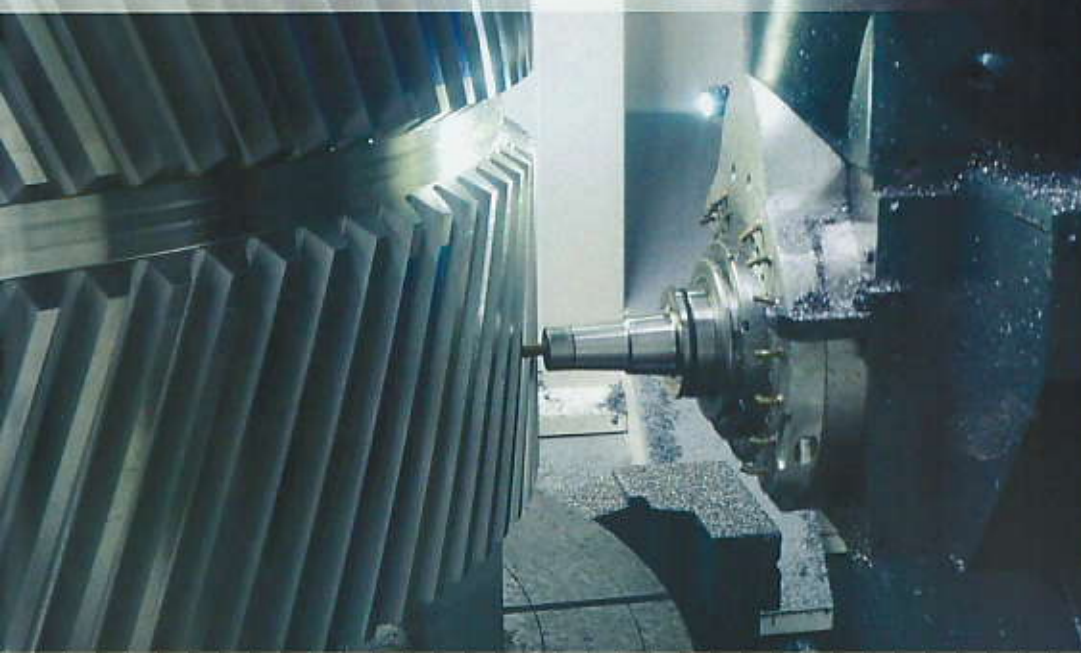
Spiral Bevel



Manufacturing Specifications

Heat Treatment of teeth	Carburization
Accuracy	DIN 6 class
Size of Work	Mn 22, Ø1000

Double Helical



Manufacturing Specifications

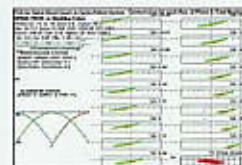
Heat Treatment of teeth	None
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Iwasa Tech has invested in software for analyzing gear geometry and strength calculations through 3D CAD/CAM and KISSsoft software.

The Tooth Contact Analysis (TCA) provides an accurate examination of the tooth profile to enable an optimal machining process. With the advanced software to support the 5-Axis milling system, Iwasa Tech is able to achieve high quality gears of all varieties. This includes but is not limited to the gears shown on this pamphlet.

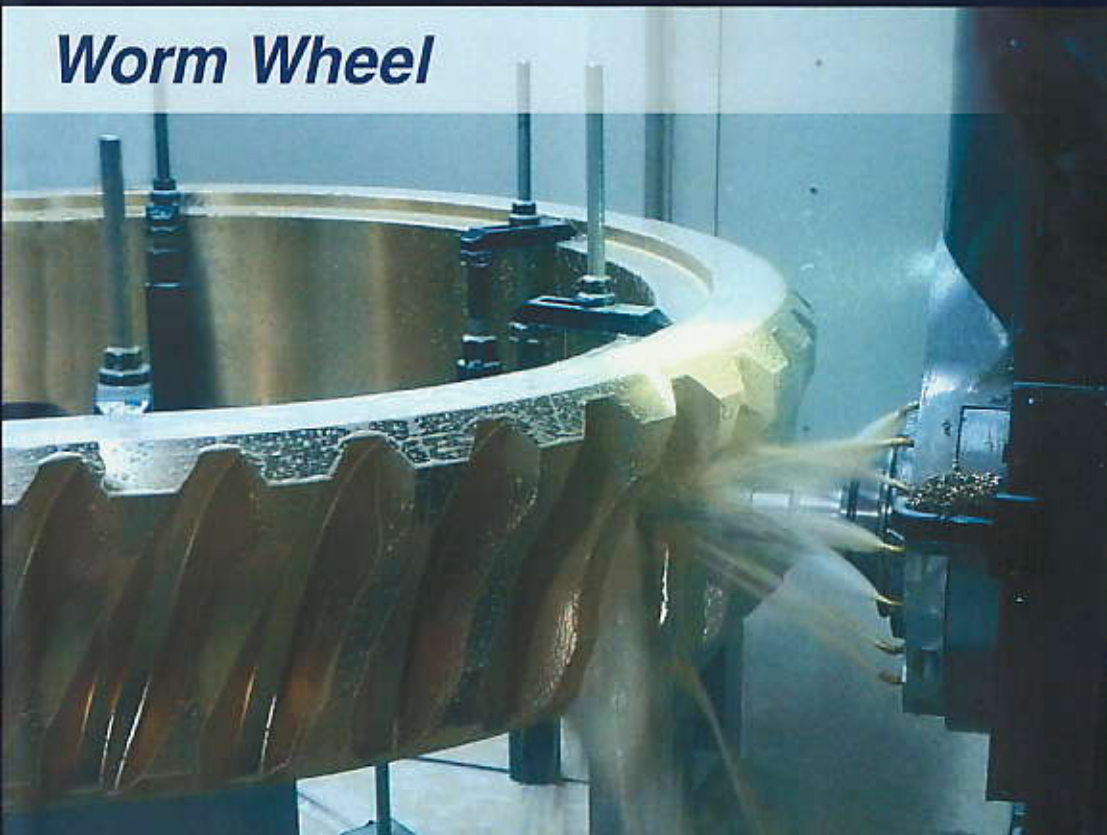


CAD-CAM screen shot



TCA screen shot

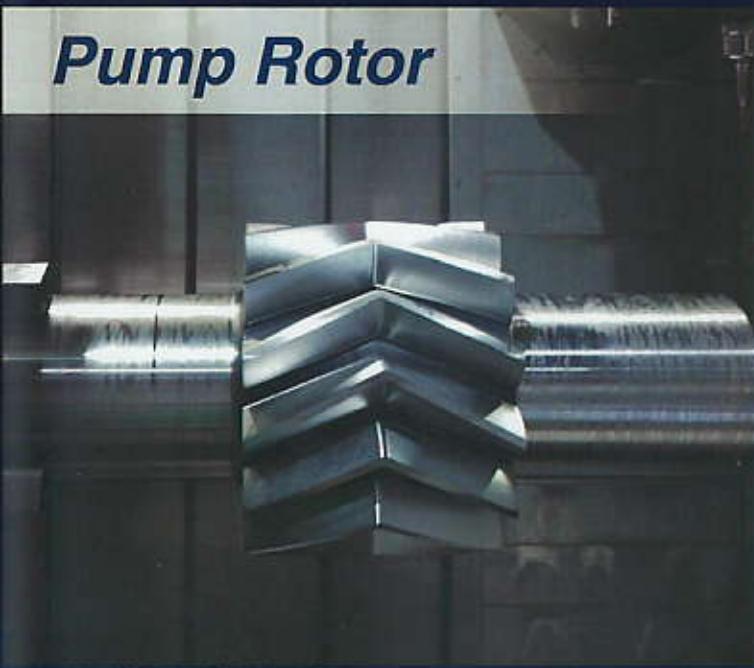
Worm Wheel



Manufacturing Specifications

Heat Treatment of teeth	None
Accuracy	JIS 0 class
Size of Work	Mn 22, Ø1300

Pump Rotor



Manufacturing Specifications

Heat Treatment of teeth	Nitriding
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Skew Bevel



Manufacturing Specifications

Heat Treatment of teeth	Nitriding
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MAJOR MANUFACTURING EQUIPMENTS

Equipment	Quantity	Max Dia (mm)	Max Face Width	Maker	Type
GEAR GASHER	1	INTERNAL 3700	500	KOHCHIYAMA TECH	HSC-200/300
		EXTERNAL 2400	850		
GEAR GASHER	1	INTERNAL 3700	500	KOHCHIYAMA TECH	HSC-200/300
GEAR GASHER	1	INTERNAL 3700	500	KOHCHIYAMA TECH	HSC-200/300
GEAR GASHER	1	INTERNAL 2520	500	KOHCHIYAMA TECH	SH-35
GEAR GRINDER	1	INTERNAL 2500	400	MIZOGUCHI	MKIG-2500
		EXTERNAL 2350	600		
GEAR GRINDER	1	INTERNAL 3000	460	MIZOGUCHI	MKIG-3000
		EXTERNAL 2200	700		
GEAR GRINDER	1	INTERNAL 3000	700	MIZOGUCHI	MKIG-3000
		EXTERNAL 2450	460		
GEAR GRINDER	1	INTERNAL 3000	700	MIZOGUCHI	MKIG-3000
		EXTERNAL 2450	700		

Equipment	Quantity	Max Module	Max Dia (mm)	Max Face Width	Maker	Type
GEAR TESTER	1		3000	700	GLEASON M&M	SIGMA3000GMM
GEAR SHAPER	1	14	1400	200	STANK IMPORT	5MT61
GEAR SHAPER	1	16	2600	280	STANK IMPORT	KCZ-15
GEAR SHAPER	1	24	3000	450	KARATSU	GS4N
HOBBIING MACHINE	1	10	900	550	PFAUTER	P900
SCREW THREADING MACHINE	1	20	185	1000	HOLROYD	2E
SPIRAL BEVEL MESHING TESTER	1		2500		TIANJIN	YH90250
SPIRAL BEVEL MESHING TESTER	1		1200	200	KLINGELNBERG	GKP851
SPIRAL BEVEL GENERATOR	1	Mn 15.5	1150	180	KLINGELNBERG	AMK852
SPIRAL BEVEL GENERATOR	1	Mn 15.6	1150	180	KLINGELNBERG	AMK855
SPIRAL BEVEL GENERATOR	1	Mn 8	600	120	KLINGELNBERG	KNC60
WORM GEAR MESHING TESTER	1	Worm	200	210	KLINGELNBERG	PS-750
WORM GEAR MESHING TESTER	1	Wheel	600	210	KLINGELNBERG	PS-750
5-AXIS MACHING CENTER	1	30	450	200	MORI SEIKI	NT5400DCG
5-AXIS MACHING CENTER	2	30	2000	200	DMG	DMU2109
COORDINATE GEAR MEASURING M/C	1		3000	700	GLEASON M&M	SIGMA3000GMM
MAGNETIC PARTICLE INSPECTION M/C	1		3000		EISIN	RIS2

