

YDK GROUP COMPANY INFORMATION



YOSHINO DENKA KOGYO, INC.

Company Profile

■ Established	January 5, 1935
■ Capital	99 million yen
■ Representative	C.E.O. Kanji Yoshino
■ Number of employees	230

■ Location

◇Headquarters	5-1-19 Koshigaya Koshigaya-shi Saitama, Japan
◇Plastic Product Division	3-6-15 Koshigaya Koshigaya-shi Saitama, Japan TEL +81-48-969-1111 FAX +81-48-965-8000
◇Metal Product Division	2849 Koshigaya Koshigaya-shi Sitama, Japan TEL +81-48-960-1111 FAX +81-48-966-5525
◇Administration	1-2 Asahi Yoshikawa-shi Saitama, Japan
◇Research and Development	TEL +81-48-951-1111 FAX +81-48-993-3335

■ Major business partners

•Komatsu, Ltd. •Hitachi Automotive Systems, Ltd. •NSK, Ltd. •Kyosan Denki Co., Ltd. •Mitsubishi Heavy Industries, Ltd. •Denso Corporation. •Honda Motor Co., Ltd. •Nissan Motor Co., Ltd.

History

1935	Started coating Business in Koshigaya city, Saitama (YOSHINO KOGYOSHO).
1945	First installed plating machine.
1957	Established Industrial chromium plating Division.
1960	Established Induction Heating Division.
1964	Established Plastic Plating Division. The factory was certified by the former Japanese National Railway.
1971	From YOSHINO KOGYOSHO to YOSHINO DENKA KOGYO, INC. Became a member of NAMF Association.
1979	The factory was certified by UL(Underwriters Laboratories, Inc.)
1985	First installed electroless plating machine for Electro-magnetic interference(EMI) shielding.
1988	Installed machine for micron chromium plating and Zinc-alloy plating.
1991	The factory have established coating robots and cleanroom.
1998	Installed chrom free-chemical conversion line for Magnesium alloy.
1999	Installed auto plating line for plastic and decorative plating. Developed "RIGITECH" which enhance rigidity of plastics.
2002	All factories acquired ISO 9001 certification. Started zinc-alloy plating using trivalent chromium.
2004	Installed decorative plating line for large plastic products.
2007	Found Place for new factory at Yoshikawa city, Sitama.
2012	Established Yoshino Denka Kogyo Vietnam Co., Ltd.
2013	Administration, Resurch and Development Devision were relocated at Yoshikawa Factory.



YOSHINO HARD, INC.

Company overview

■ Established	February 1, 1985
■ Capital	10 million yen
■ Representative	Chairman Kanji Yoshino President Akio Imai
■ Number of employees	40

■ Location

◇Headquarters and factory	2849 Koshigaya Koshigaya-shi Sitama, Japan TEL +81-48-963-2121 FAX +81-48-963-2141
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■ Major business partners

•Hitachi Construction Machinery Co., Ltd.
•Komatsu Ltd. •Sumitomo(S.H.I.) Construction Machinery Co., Ltd. •Mitsubishi Heavy Industries, Ltd.

History

1960	Established Induction Heating Division.
1964	Induction Heating Division was certified by the former Japanese National Railway
1973	Installed MG type heating machine.
1982	Established YS Giken, INC. Started producing Electroforming Mold.
1984	From YS Giken, INC. to YOSHINO HARD, INC.
1986	Installed chromium plating and polishing machine for hydraulic cylinder parts. Started integrated manufacturing system from induction heating to plating. Installed chromium plating and polishing machine for long parts.
1989	Installed uni-case furnace using for carburizing and queching. Installed Gas oxidizing nitriding furnances.
1995	Installed additional uni-case furnances.
1997	Started recycling hydraulic cylinder parts.
2002	The factory acquired ISO 9001 certification.
2004	Installed additional uni-case furnances.
2008	Installed new line for processing cam sprocket at Yoshikawa factory.
2012	Established PT. YOSHINO HARD INDONESIA.

YDK GROUP GLOBAL NETWORK

YOSHINO DENKA KOGYO VIETNAM CO., LTD.

■ Established	December 28, 2012
■ Capital	1,370,000 USD
■ Representative	President Akio Imai
■ Number of employees	30
■ LOCATION	Workshop X3— Standard factory & office area, Hai Thanh ward, Duong Kinh District, Hai Phong city TEL +84-313-632345 FAX +84-313-632456

PT. YOSHINO HARD INDONESIA

■ Established	January 27, 2012
■ Capital	500,000 USD
■ Representative	President Akio Imai
■ Number of employees	13
■ LOCATION	Jl Mulawarman No.99 Balikpapan 76116, INDONESIA TEL +62-542-7581764 FAX +62-542-7581766

Main Equipment List

Equipment	Processing capacity (Size)	Detail	Unit	Note
Hard chromium plating line for long sized product	W1,200*L2,400*H3,500	Hard chromium plating	2	manual plating line
Automatic hard chromium plating line	W600*L2,400*H1,800	Hard chromium plating	5	carrier system
	W200*L400*H1,200	Hard chromium plating	25	14,500L tank (elevator system)
	W650*L2,000*H1,000	Hard chromium plating	1	manual plating line
	W650*L3,000*H1,000	Hard chromium plating	1	
	W1,000*L2,400*H1,050	Hard chromium plating	1	
Micron chromium plating line	W600*L550*H400	Hard chromium plating	38	manual plating line
Automatic Zinc-alloy plating line	W800*L2,400*H1,200	Tin-Zinc plating	1	carrier system
	W800*L2,400*H1,200	Zinc-Nickel plating	1	
	W800*L2,400*H1,200	Zinc plating	1	
Electroless nickel plating line	W600*L1,100*H600	Hard chromium plating	1	manual plating line
	W500*L1,100*H600	Hard chromium plating	1	
	W500*L800*H600	Hard chromium plating	1	
	W700*L1,000*H800	Electroless plating	1	
Electro nickel plating line	W4,000 * L19,000 * H4,400	Semi-bright nickel plating	1	automatic plating line
	W600*L900*H600		1	barrel plating line
Electro bright nickel plating line	W600*L600*H700	Bright nickel plating	1	manual plating line
Hard chromium plating line for large sized product	W2,500*L4,000*H3,000	Hard chromium plating	1	manual plating line
	W900*L3,500*H2,500	Hard chromium plating	1	
	W1,500*L1,500*H1,100	Hard chromium plating	1	
Hard chromium plating line for large sized cylindrical product	W1,450*L1,450*H1,800	Hard chromium plating	1	φ 1,100*1,800
Automatic micro-porous chromium plating line	W1,600*L800*H250	Decorative chromium plating	1	
Automatic decorative chromium plating line	W1,600*L800*H251	Decorative chromium plating	1	
Automatic EMI shielding plating line	W1,200*L800*H380	EMI shielding plating	1	
Manual control buffing machine	***	Buffing	2	Yajimaseisakusho
Centerless pipe buffing machine	***	Buffing	1	Yajimaseisakusho
Side buffing machine	***	Buffing	1	Yajimaseisakusho
Automatic one head buffing machine	***	Buffing	1	Yajimaseisakusho
Automatic two head buffing machine	***	Buffing	1	Yajimaseisakusho
Large scale cylinder rod buffing machine	***	Buffing	1	Nisshinbo, Ltd
Large scale cylinder rod buffing machine	***	Buffing	1	
Vacuum tube type Induction transmitter	Capacity:80KW Frequency:100KHz	Induction hardening	1	Stationary-type
	Capacity:100KW Frequency:200KHz	Induction hardening	1	Movement type L600 (Double Type)
	Capacity:75KW Frequency:200KHz	Induction hardening	1	Small-diameter rod-only
	Capacity:40KW Frequency:20KHz	Induction hardening	1	Small-diameter rod-only
Vacuum tube type Induction transmitter (Nonconformity)	Capacity:150KW Frequency:20KHz	Induction hardening	1	Movement type L1300
Vacuum tube type Induction transmitter	Capacity:200KW Frequency:20KHz	Induction hardening	1	Movement type L2000
	Capacity:40KW Frequency:200KHz	Induction hardening	1	Movement type L1200
Motor Generation type Induction transmitter	Capacity:300KW Frequency:8KHz	Induction hardening	1	Movement type L1800
Thyristor-type Induction transmitter	Capacity:600KW Frequency:3KHz	Induction hardening	1	Movement type L1500
	Capacity:150KW Frequency:3.5KHz	Induction hardening	1	Movement type L1600
Transistor-type Induction transmitter	Capacity:500KW Frequency:3~8KHz	Induction hardening	1	Sprocket only
Electrical Air flow type Tempering furnace (Pit type)	φ 500 × L600 300kg	Tempering	1	
	φ 650 × L1150 500kg	Tempering	1	
Electrical Air flow type Tempering furnace (Truck-type)	W1200 × H600 × L2500 600kg	Tempering	1	
Instillation-type U case furnace	W600 × H600 × L1200 600kg	Carbonitriding *Non-oxidation hardening	2	Cold oil
	W600 × H650 × L1200 650kg	Carbonitriding *Non-oxidation hardening	2	Cold oil *Semi-hot oil
Electrical Air flow type Tempering furnace (Batch-type)	W600 × H650 × L1200 650kg	Tempering	3	
Electrical Air flow type Tempering furnace (Pit type)	φ 650 × L1220 500kg	Tempering	1	