

DO IT WITH HIGHONE



HIGHONE REALIZES VISION OF PARTNERS
AND IT'S MEMBERS BY INNOVATIVE
TECHNOLOGY AND COST REDUCTION.



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I GREETING

Highone Co., Ltd. is the best forging parts manufacturer with the best quality and highest grade technology.

Since it's foundation as an after treatment company, we've extended it's business to hot forging with forging hammer and forging press. Highone has been making an effort to be the best manufacturer in forging industries with inovative technical development to satisfy partners with the best quality and service. Therefore, Highone will be a reliable partner with continuous effort for your satisfaction.

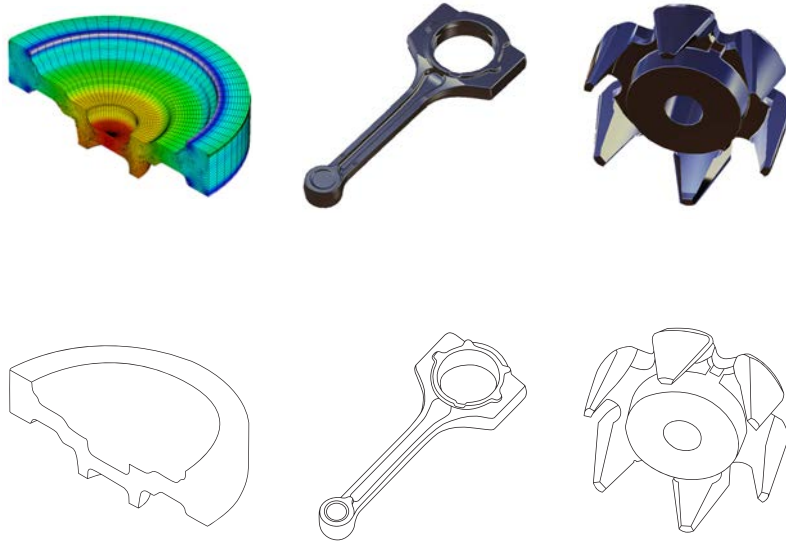
I STRENGTH

01. Process innovation
02. Continuous technical development
03. Competitive price
04. Power of unity
05. World class quality
06. Stable lead time.
07. The biggest after treatment facilities in Korea.



Highone realizes vision of partners and it's members by innovative technology and cost reduction.

I HISTORY



**AT THE
CUSTOMER
FOR THE
CUSTOMER**

Foundation of Highone	2005
ISO9001 : 2,000	2006
ISO9001 : 2,008	2009
Air drop hammer 1ton	2010
Air drop hammer 2ton	
Foundation of 2nd factory in Kimhae city	2011
Forging press 1,350ton	
SQ certificate	2012
Relocation of main factory	2013
Forging press 1,600ton	
Hydraulic hammer 3ton	2014
Forging press 2,000ton	2016
IATF16949 : 2016	2018
ISO9001 : 2015	





CLIENTS



• HYUNDAI MOTORS



• KIA MOTORS



• HYUNDAI WIA



• CHEVROLET



• K U T



• BORG WARNER



• TEAM



• JTEKT



• BRIDGESTONE



• KOYO



• NABTESCO



• MAGNA

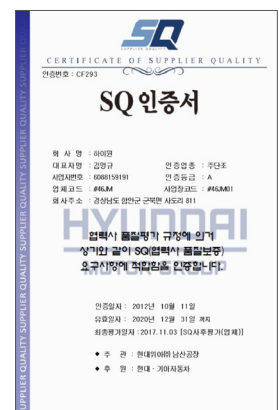
CERTIFICATE



• IATF16949 : 2018



• ISO9001 : 2018



• SQ

PRODUCT



• SEGMENT



• CON-ROD



• OUTER RING



• CUP CARRIER



• SHAFT



• SHAFT



• LINK



• FLY WHEEL RING GEAR



• COVER BOSS



• LOWER ARM



• MAIN BODY



• MAIN DRIVE

Hot forging parts from 0.5kg ~ 30kgs are available.



• BRACKET



• OUTPUT FLANGE



• PINION SHAFT



• GEAR



• CAM SHAFT



• NUT



• GEARS



• GEAR



• RV GEAR



• LINK



• CORE METAL



• HOOK

FACILITIES

Line	Description	Spec	Quantity
Cutting	Billet shearer	350ton	1
	Billet shearer	500ton	1
	Circular saw		1
Forging hammer line	Induction heater	500kw	1
	• Air drop hammer	1ton	1
	Trimming press	150ton	1
	Induction heater	800kw	1
	• Air drop hammer	2ton	1
	Trimming press	250ton	1
	Induction heater	1,500kw	1
	• Hydraulic hammer	3ton	1
Forging press line	Trimming press	400ton	1
	Induction heater	600kw	1
	• Forging press	1,350ton	1
	Trimming press	150ton	1
	Induction heater	800kw	1
	• Forging press	1,600ton	1
	Trimming press	200ton	1
	Induction heater	800kw	1
After treatment	• Forging press	2,000ton	1
	Trimming press	200ton	1
	Shot blast	1ton	4
	Coining press	250ton	1
		400ton	1
		630ton	1
		650ton	1
		1,000ton	1
	M.P.I		4
	SRA	700kg	1
	CNC		2
	Shot peening	1ton	1
	Straightening machine	50ton	2
	Burr remover		5
	Rust preventing oil spreader		3
	Lazer marking machine		1

FORGING LINES



• A.D.H 1ton



• A.D.H 2ton



• HYDRAULIC HAMMER 3ton



• PRESS 1,350ton



• PRESS 1,600ton



• PRESS 2,000ton

AFTER TREATMENT



• SHOT BLAST MACHINE



• MPI



• COINING PRESS



• SRA

INSPECTION FACILITIES

	Measuring instrument				ETC.
	Description	Quantity	Range	Mimumum scale	
1	Component analyzer (Emission spectrochemical)	1	(Wavelength rage) 130nm ~ 780nm	(Focus range) 350mm	Fe,C,Si,Mn,P,S,Cu,Ni
2	Component analyzer (Portable)	1		—	
3	Rockwell hardness tester	1	(Test load) 60Kgf, 100Kgf, 150Kgf	—	Test mode : Auto
4	Brinell hardness tester	1	(Test load) 500Kgf ~ 3000Kgf	—	Test mode : Auto
5	Specimen polishing machine	2	0 ~ 1800rpm	—	
6	Mounting press	1	—	—	
7	Optical microscope	1	x50 ~ x500	—	
8	Hardness test software	1	(HBD) 0 ~ 6,0mm	0,01mm	
9	Radiation thermometer	1	-50℃ ~ 1500℃	1℃	
10	UV irradiance meters	1	0 ~ 20000LUX	1LUX	



• BALANCE INSPECTOR



• COMPONENT ANALYZER



• RADIATION THERMOMETER



• SPECIMEN POLISHING MACHINE

• ROCKWELL HARDNESS
TESTER• BRINELL HARDNESS
TESTER

• HARDNESS TEST SOFTWARE



• OPTICAL MICROSCOPE

FORGING PROCESS



• CUTTING



• HEATING



• FORGING



• TRIMMING

AFTER TREATMENT PROCESS



• SHOT BLAST



• COINING



• MPI



• SRA



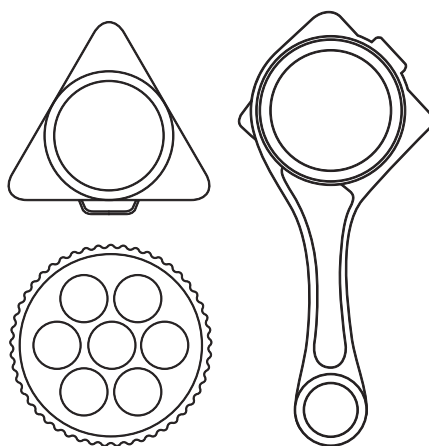
• SHOT PEENING



• SELECTION



**THE BEST DREAM TEAM
YOU'VE BEEN LOOKING FOR
WE WORK HARDER**



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