



MINYU MACHINERY CORP., LTD.

PRODUCT CATALOG



www.minyu.com

INTRODUCTION

Address : No. 7-2, San-Hu Li, Yangmei City 32669, Taoyuan, Taiwan

Date of Incorporation : January 11, 1966

Capital : NT\$362 Million (US\$ 11 Million)

President : Ming-Yih Cheng

Products: Mining Machinery

HISTORY

- 1965** Founding of Minyu Machinery Corporation in Taiwan.
- 1966** Acquisition of the company's first business license, issued by the Ministry of Economy on January 11, which is the official anniversary of Minyu.
- 1970** First export of mining machines into many Asian countries, first distributor in South East Asia a few years later.
- 1973** Factory relocated to Yangmei in Taoyuan County.
- 1984** First export of mining machines to the United States, appointment of first distributor in the United States.
- 1989** First export of mining machines to Europe, first distributor in Europe.
- 1995** First export of mining machines to Australia, appointment of distributor for Australia and New Zealand.
- 1995** First export of mining machines to Japan.
- 1999** First distributor for North East Asia.
- 1999** ISO 9002 and Taiwan Excellence Award granted.
- 2000** ISO 9001:2000 accredited.
- 2002** First export of mining machines to India, first distributor in South Asia.
- 2004** First export of mining machines to Africa, appointment of distributor in Algeria.
- 2004** First export of mining machines to South America, appointment of distributors in Colombia and Ecuador one year later.
- 2005** First export of mining machines to Mainland China, appointment of distributor in China.
- 2007** First export of mining machines into the Middle East region.
- 2008** First export of mining machines to Russia.
- 2009** Minyu Machinery Corp.,Ltd. ISO9001:2008 accredited
- 2010** Minyu Crushers acquire European CE certification



THE WORLD'S BEST IS MADE IN TAIWAN



ISO 9001:2000



CE-CERTIFICATE

QUALITY

SERVICE

FRIENDSHIP



Planning • Designing • Manufacturing • Installing



Cone Crusher

HN SERIES



MINYU

: 95HI F 9G

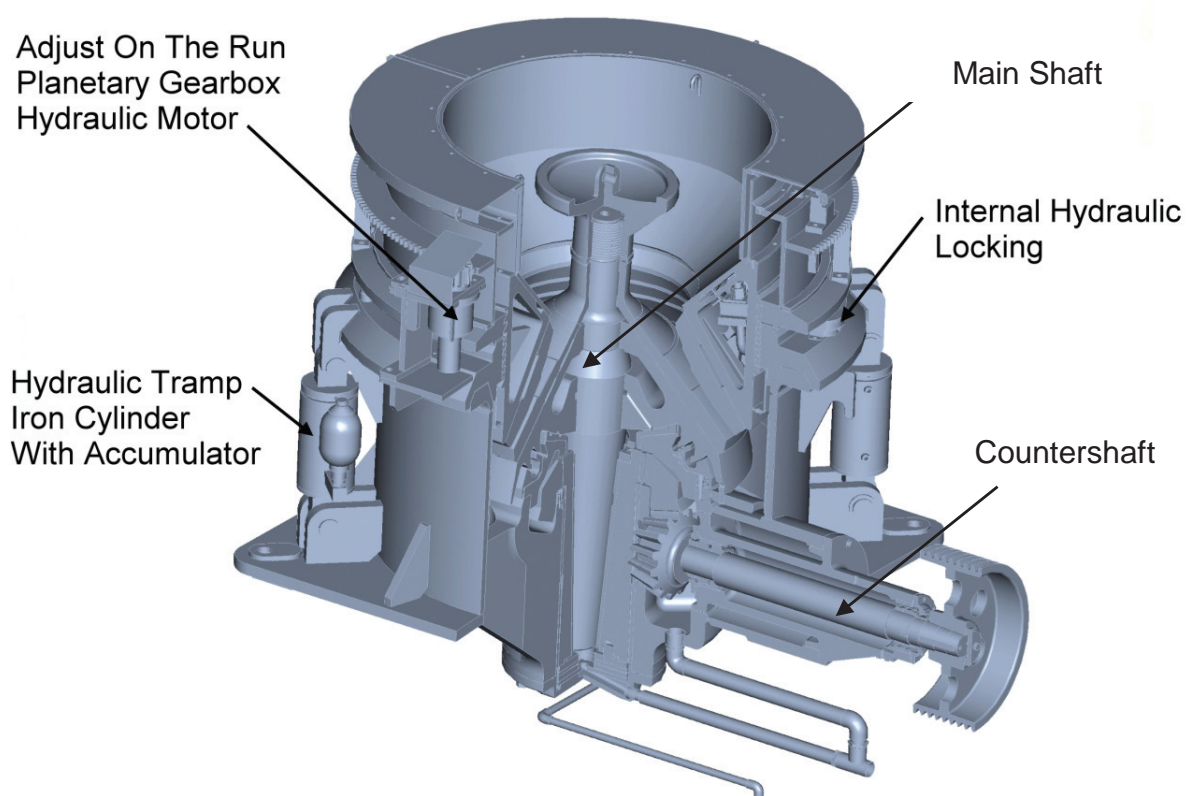


VALUABLE MINYU HYDRAUMATIC NITROGEN CONE CRUSHER (HN SERIES)

Minyu Cone Crushers have been widely used in various quarry and aggregate applications worldwide for more than four decades. There are generally four types of HN Series Cone Crushers manufactured by Minyu: the MCC Standard coarse type, the MCF fine or medium type, the MCS Short Head type & MCSS Super Fine Type.

All the four types are designed for secondary or tertiary crushing purposes both in stationary and portable applications for highly abrasive materials.

STRUCTURE OF A MINYU HN SERIES CONE CRUSHER



EASY-TO OPERATE-CONTROLLER

When equipped with the manual button-controlled Electric Panel Controller configuration option, the Minyu HN Series Cone Crusher has the following great design features:

- **Manual/Hand mode:** when the main control button is switched to the HAND Mode position, auto-locking for crushing chamber is disabled, and the operator may proceed to perform gap setting adjustment, crushing chamber clearing, etc. An LED display is provided when pressing the ADJUST button to go up or down to make setting change, or the CLEAR button up & down for chamber clearing. The RED light is turned ON when it's engaged.
- **Auto mode:** when the main control button is switched to the AUTO position, the controller system ensures the auto-locking hydraulic cylinders be set to automatically provide pressure compensation, and then it shuts off the hydraulic oil to the cylinders if & when the pressure has reached a standard level. During the crusher's operation, the green light is turned ON.

NOTE: Adjustment of the gap setting and clearing function is DISABLED in the AUTO mode.

When equipped with the touch-controlled Electric Panel Controller configuration option, the Minyu HN Series Cone Crusher has the following great design features:

- **Run Mode:** controls essential factors for machine running, such as: automatic engagement of the lubrication system, min. pressure control of lubricant, upper frame lock, lower frame lock, automatic pressure compensation.
- **Adjust Mode:** adjusting the discharge gap by hand, or automatically by setting a fixed value. Can be equipped with wireless remote control to adjust the discharge gap and clear the crushing chamber when standing next to the crusher.



: 95HI F 9G



SOLID MAIN FRAME

MINYU HN Cones are securely fastened together by tension bolts. Both sections are made of special cast and heat-treated steel, which may withstand strong impact during crushing operation. To resist wear, a rib liner is designed into the bottom section.



DEPENDABLE SAFETY DEVICES

The Nitrogen Accumulator-Based Release System allows uncrushable material to pass through without causing any damage. As a standard design feature, the locking device, manually or hydraulically, easily secures the crushing clearance when engaged. The lubrication system is interlocked with the main crusher drive motor for additional safety as a standard configuration.



ELECTRIC HYDRAULIC AUTO-ADJUSTING, SETTING LOCKING AND LIFTING SYSTEM

With the MINYU Electric Auto Adjusting, Setting Locking & Lifting System, the cone crusher setting adjustment is very simple & straightforward.

Turning the Top Cell by rotating the hydraulic planetary gear boxes easily adjusts the discharge gap.

Changeovers of discharge openings are fast, downtime is minimized, and the production requirements are accurately met.

For immediate and easier removal of unwanted foreign materials inside the crushing chamber in case of a power failure, the hydraulic lifting system is also provided.

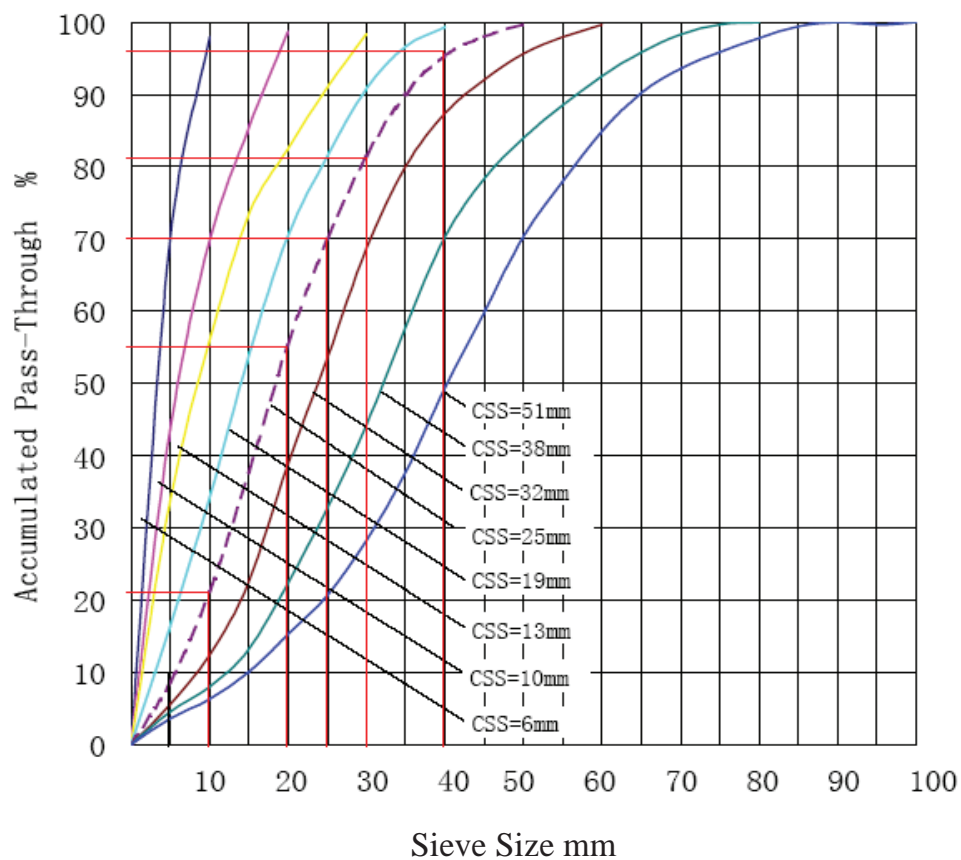
There is also a locking safety device to ensure the offset, keeping the system level should the clamping pressure fall.



SPECIFICATIONS



GENERAL GRADATION CURVES



GENERAL SPECIFICATIONS OF MINYU HYDRAUMATIC NITROGEN (HN) CONE CRUSHER

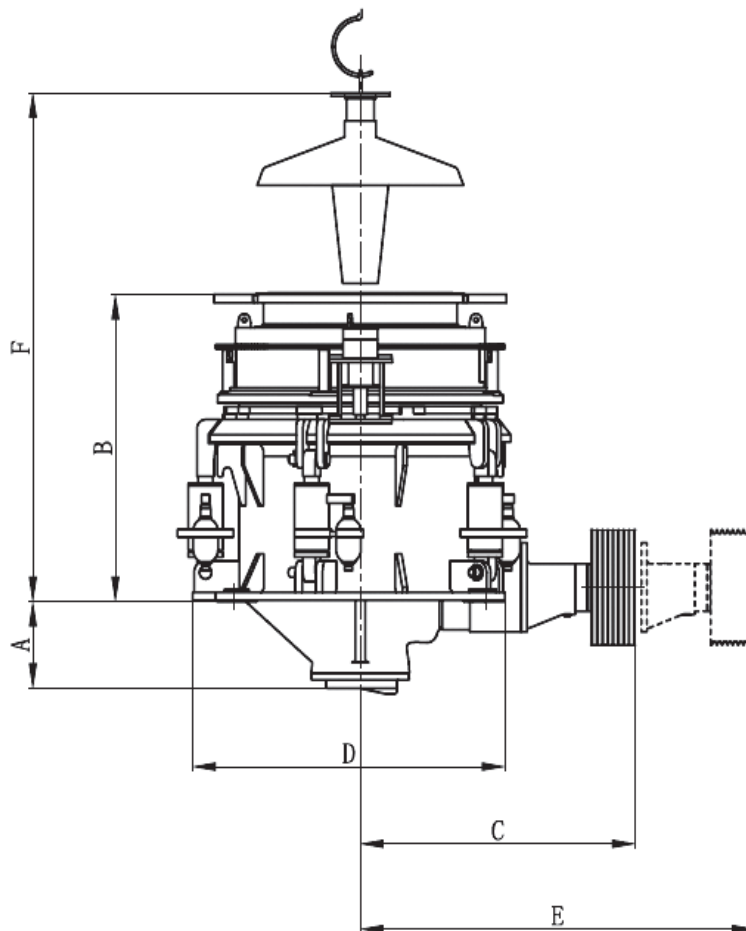
Model No.	Max. Feed Opening (mm)	Min. Discharge Opening (mm)	RPM	Motor Rating (kW)	Throughput (TPH) at Closed Side Discharge Opening (mm)										Weight (kg)
					6	10	13	16	19	22	25	38	51	64	
MCC1000HN	160	13	630	90~110			88	110	148	165	192	258			11800
MCF1000HN	115	10	630	90~110		71	82	99	132	148	165				11800
MCS1000HN	80	8	630	90~110		57	65	75	82	105					11800
MCSS1000HN	50	6	630	90~110	55	60	70	80	100						11800
MCC1150HN	180	13	610	110~132			126	148	165	198	220	286			16250
MCF1150HN	130	10	610	110~132		110	120	132	148	181	192				16250
MCS1150HN	90	10	610	110~132		88	115	121	154						16250
MCSS1150HN	60	6	610	110~132	66	81	115	121	143						16250
MCC1300HN	200	16	610	132~160				165	198	220	253	341	429		22250
MCF1300HN	150	13	610	132~160			126	154	176	209	231				22250
MCS1300HN	102	10	610	132~160		99	126	159	176						22250
MCSS1300HN	70	8	610	132~160		97	121	148	170						22250
MCC1370HN	215	19	610	185~220					220	242	286	363	464		25900
MCF1370HN	160	16	610	185~220				170	198	220	242				25900
MCS1370HN	115	13	610	185~220			165	209	231	253					25900
MCSS1370HN	76	8	610	185~220		134	162	203	220						25900
MCC1500HN	235	22	560	185~225						291	330	440	565	620	36450
MCF1500HN	175	19	560	185~225					236	264	291	352			36450
MCS1500HN	130	13	560	185~225			198	231	258	280	302				36450
MCSS1500HN	90	10	560	185~225		162	195	242	292						36450
MCC1680HN	267	22	560	250~300						363	429	577	720	797	44300
MCF1680HN	203	16	560	250~300				253	297	330	363				44300
MCS1680HN	140	13	560	250~300			203	248	290	374					44300
MCSS1680HN	95	10	560	250~300		198	242	286	368						44300

* Capacity/Throughput based on continuous regulated feed of clean, dry limestone of normal hardness with a bulk density of 1.6 ton/m³. Capacity may vary +/- 25% with the size and nature of the rock and the working conditions of the plant.

SPECIFICATIONS



APPROXIMATE GENERAL DIMENSIONS



Section (mm) Model No.	“A”	“B”	“C”	“D”	“E”	“F”
1000J P	385	1763	1546	1530	2200	2900
1150J P	503	1735	1670	1760	2415	3000
1300J P	600	2011	1920	2020	2800	3500
1370J P	605	1995	1965	2200	2830	3800
1500J P	720	2380	2216	2450	3170	4300
1680J P	850	2220	2107	2860	3550	4600

All parameters are for reference only & subject to change without notice.

WEIGHT OF MAJOR SUB-ASSEMBLIES

MODEL (Tons) PARTS	1000J P	1150J P	1300J P	1370J P	1500J P	1680J P
Lower Frame + Top Frame	4.5	6.8	9.3	11	15.3	19.5
Upper Frame – Top Frame	3.8	5.0	6.4	6.8	10	14.5
Eccentric Seat	0.5	0.65	1.1	1.25	2.1	3.45
Main Shaft	1.3	2.1	3.1	3.75	5.9	8.85
Countershaft	0.6	0.75	1.0	1.0	1.7	2.75

All parameters are for reference only & subject to change without notice.



Many factors including but not limited to the feeding method, the material characteristics, the speed, the power applied, the hardness or compressive strength, and the mineral and moisture content of the material, may & will affect production capacities and gradations. Minyu Machinery Corp., Ltd. does not guarantee production or gradation results presented in this literature. All technical info, data and results should be used for reference only as they will vary with different field applications or operating conditions. All technical data and specifications details are subject to change without notice, in course of continuous improvement purposes.



Quality . Service . Friendship



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