BMH Industry

BMH JOINT STOCK COMPANY

Machinery & Equipment Profile

Capabilities for BMH fabrication projects. Cutting, forming, machining, welding, lifting and surface treatment, Hai Phong, Vietnam



30 kW CNC fibre laser cutting machine at BMH workshop

CNC cutting: plate and pipe

Plate and pipe profiling by CNC laser, plasma and flame cutting.



CNC fibre laser, 30 kW

Bruco GLC-26035XD

Bed 26 x 3.5 m, up to 50 mm



CNC fibre laser, 6 kW

Vinamec FL24120S-6KW

Bed 12 x 2.4 m, up to 18 mm



CNC plasma and flame cutting

Vinamec F4000-300A

Bed 20 x 4 m, plasma 25 mm, flame 240 mm



CNC multi-torch flame cutting

Vinamec F4000-CNC

Bed 20 x 4 m, up to 240 mm



CNC pipe profile cutting

Bruco GXS-630-Y1L1

Pipe up to 630 mm dia., 12,000 mm long



CNC pipe profile cutting

Vinamec P140-12000

Pipe up to 140 mm dia., 12,000 mm long

Sawing and edge preparation



Band saw
Amada H-650HD
Max. section 650 x 400 mm



Band saw
Daito ST4070H
Max. section 700 x 400 mm



Band saw
Hitachi CB 32FB
Max. section 300 x 200 mm



Edge rounding machine
Miyakawa MarX-MB 3R
R2 edge radius for coating

Forming, drilling and machining in-house



NC hydraulic press brake

Amada F-BEST3005

Bending length 6,000 mm, 300 t



Plate rolling machine

MG 625 G, made in Italy

Plate up to 40 mm thick, 6,000 mm wide



Conventional lathe

Yamazaki Y620

1,180 mm between centres



Vertical milling machine

Strong-Mill 2V

Travel X 700 x Y 300 x Z 400 mm



Radial drilling machine

Ogawa HOR-915

Drill dia. 40 mm, arm 915 mm

How BMH covers machining scope

Machining capability for BMH fabrication projects, coordinated and controlled by BMH.

In-house at BMH

- Conventional turning
- Conventional vertical milling
- Portable on-site milling of faces and flanges
- Radial and magnetic drilling
- CNC laser, plasma and flame profile cutting

Extended machining capability

- CNC gantry milling, travel up to 7.6 x 3.2 m
- CNC machining centres and CNC turning
- Large-diameter turning up to 1,100 mm
- Portable flange facing up to OD 7,500 mm
- Large flange facing machines for on-site and workshop use
- Equipment on the next two pages

BMH project control

- BMH coordinates machining to project requirements
- Machining drawings and tolerances agreed before release

CNC milling and turning

CNC milling and turning capacity available to BMH projects.



Double-column CNC milling

Fanuc 0i-MF Plus control

Travel X 7,600 x Y 3,200 x Z 1,850 mm



Bed-type milling machine

Kent KMV-32P

Travel X 3,200 x Y 1,800 x Z 1,000 mm



CNC vertical machining centre

Mitsubishi MV60E

Travel X 1,020 x Y 620 x Z 550 mm



CNC vertical machining centre

OKK PCV510

Travel X 1,020 x Y 570 x Z 550 mm



CNC vertical machining centre

OKK MCV520

Travel X 1,020 x Y 520 x Z 900 mm

Large turning and flange facing

Large turning, wire cutting and flange facing equipment.



Large conventional lathe

Ikegai DAC156

Max. turning dia. 1,100 mm, 2,000 mm between centres



Long-bed conventional lathe

Ikegai

Max. turning dia. 1,000 mm, 6,000 mm between centres



CNC wire cutting machine

Wire EDM

Travel X 1,000 x Y 850 x Z 650 mm



Portable flange facing machine

Large unit, on-site use

OD up to 7,500 mm, ID from 4,000 mm



Portable flange facing machine

Small unit, on-site use

OD up to 2,500 mm, ID from 1,300 mm



Portable flange facing machine

Medium unit, used at BMH workshop

OD up to 5,500 mm

REFERENCE JOB

Facing a 5 m buoy flange plate at BMH



Portable flange facing machine set up on the buoy structure at BMH workshop



Surface checked with dial indicator during facing

Buoy flange plate

- OD 5,040 mm, ID 4,720 mm
- Bolting face machined on the assembled structure
- Flatness 0.3 mm and parallelism 0.3 mm
- Surface roughness Ra 3.2 µm
- **Completed to drawing tolerances**

Welding equipment



Automatic SAW
Jasic MZ-1000
Submerged arc welding



Automatic SAW
Jasic M308, M312
Submerged arc welding



MIG/MAG (CO2) welding
Jasic, Daihen, Panasonic and others
Semi-automatic, gas-shielded



TIG welding
Panasonic WP300, Jasic TIG250/300
250 to 300 A



Arc air gouging
Merkel IW800, Tân Thành TTR1200
Back-gouging and repair



Stud welding
RSN-2500G inverter
2,500 A



Welding carriages
HK series, magnetic
Pipe and seam welding



Pipe welding rotators
Robovina KT30
30 t per set

Lifting and material handling

80 t

Max. single crane capacity (SWL). Overhead and gantry cranes from 5 t to 80 t

Workshop	L x W x H (m)	Crane capacity
Workshop 1	92 x 23 x 12	Up to 10 t
Workshop 2	126 x 38 x 12	Up to 10 t
Workshop 3	172 x 38 x 25	Up to 80 t

Also available: hydraulic jack 200 t, chain hoists up to 10 t, pipe rotators 30 t.



Workshops 1, 2 and 3, Hai Phong



Heavy assemblies under overhead cranes



Fabrication hall

Surface preparation and coating

Blast cleaning up to Sa 3 (ISO 8501-1) as specified. Blasting room 660 m², two humidity-controlled paint rooms 1,320 m² in total.



Indoor shot blasting line

Growell GBS 1807-1SC

Blast cleaning of plates and sections



Airless spray pump

Yelim STORM 73:1

Ratio 73:1



Coating thickness gauge

Elcometer A456

Dry film thickness check

Measuring and inspection tools

Tool	Make / model
Coating thickness gauge	Elcometer A456
Humidity meter	Elcometer
Infrared thermometer, up to 800 °C	Sata 03032
Torque wrenches, 20 to 980 Nm	Matatakitoyo
Automatic level	Nikon AC-2S
Line laser, 5 lines	Bosch GLL 5-50X
Hydrostatic test pump	Asada TP50S
Electronic crane scale, 3 t	-



Elcometer coating thickness gauge

BMH Industry

CONTACT

Detailed equipment register available on request

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Engineering-driven fabrication. Disciplined execution. Reliable delivery.

