



**Quality**  
is our **Frontline**



**PT. GROWTH ASIA**

A MEMBER OF GROWTH STEEL GROUP

# DISTRIBUTION NETWORK



## VISION:

"To be industry leader in supplying quality castings and customer service to the global market."

## MISSION:

- Supply quality castings on-time.
- Establish effective, ethical management systems committed to continual improvement performance.
- Committed to upgrade the manufacturing facility to optimize casting quality and value.
- Expand markets for wear-part components.

BELAWAN



BELAWAN SEAPORT

10 Km

10 Km

PT. GROWTH ASIA  
(Medan Industrial Estate)

MEDAN



POLONIA AIRPORT

service  
innovation  
quality

## COMPANY'S BRIEF

Founded in 1989, PT. Growth Asia, is part of the privately owned Growth Steel Group. Its manufacturing operations is based in the large city of Medan in North Sumatra.

As the largest foundry in Indonesia, PT. Growth Asia takes pride in being an export-oriented company, which supplies quality ferrous castings to the Asian, Australian, American, African and European Markets.

Expanding overseas markets has been a substantial, ongoing part of the company's long term commitment. Through the establishment of an experienced sales/ technical force and on-time supply of low cost quality products, it has secured significant contracts of critical components for OEMs and mining industry.

Our product line is ever changing and increasing in volume to meet customers' needs, and yet, PT. Growth Asia maintains lines of mining, quarry, rubber, palm oil, cement, power and steel mill supplies in various grades, i.e. alloy steel, tool steel, Mn steel, cast iron, ductile iron, hi-Cr iron, carbon steel, and stainless steel. Furthermore, through our stringent process controls, PT. Growth Asia has achieved International standard for quality. And, with ISO 9001: 2000 compliant, it solidifies PT. Growth Asia's commitment to the best quality system.



# OUR PRODUCTS



## mining wear-part components



### Features:

1. Material toughness and high wear resistance.
2. High quality castings—produced to specification.
3. Guaranteed liner fitment.
4. Mill change-out time minimized.


### Product Applications :

- AG Mill Liners
- BALL Mill Liners
- ROD Mill Liners
- SAG Mill Liners

### Material :

- Cr-Mo Steel
- Hi-Cr Iron





## crusher spare parts cement & power products

### Features:

1. Wide range material choices to match customer requirements.
2. Material composition designed for maximum wear-life.
3. Liners designed for performance enhancement.

### Product Applications :

- Jaw Crusher
- Cone Crusher

### Material :

11.0% - 20.0% Manganese Grades



### Product Applications :

- Pulverising Crusher
- Table Liners
- Hammer Crusher

### Material :

- Ni - Hard
- White Iron



our products



# OUR PRODUCTS

rubber rolls & rubber mill,  
machinery & components  
steel mill rolls  
palm oil mill

## Features:

1. Maximum yield through output.
2. Excellent in toughness and wear resistance.
3. Optimum wear-life.



## Product Applications :

- Crumb Rubber Rolls
- Bearing Housing
- Gears
- Mangle Stands
- Pulley
- Coupling

## Machinery :

- Mangle Machine
- Hammer Mill Machine
- Shredder Machine

## Materials :

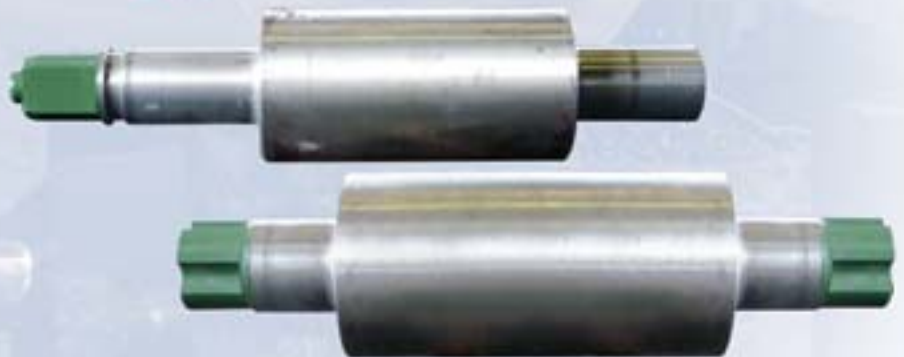
- Ductile Iron
- Cast Iron

## Product Applications :

- Roughing Stand Roll
- Intermediate Stand Roll
- Finishing Stand Roll

## Materials :

- Alloy Steel/ Adamite
- Chilled Ductile Iron



## Product Applications :

- Worm Screw Press

## Material :

- Carbon Manganese Steel
- Alloy Steel

## Characteristics :

- Wear/ Abrasion Resistant
- Excellent Toughness

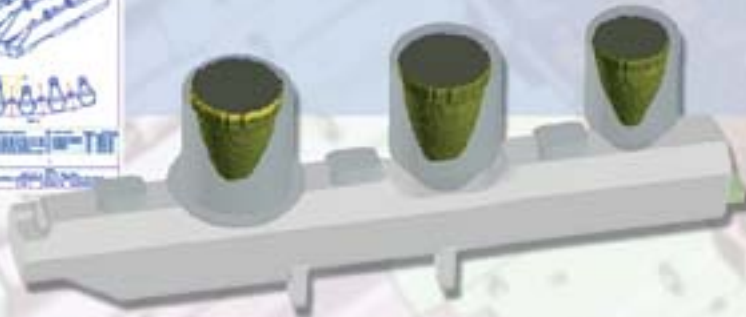
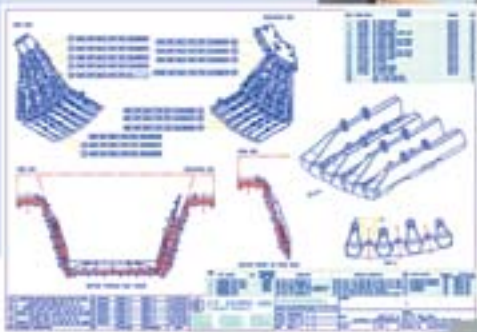
# FOUNDRY FACILITIES

PT. Growth Asia foundry is a full service facility providing quality castings. Our experienced team includes technical specialists from many nationalities who will work with customers to optimize casting design while reducing costs and maximizing quality. This flexibility and responsiveness contributes to our place as to-day's foundry market leaders.



## Drafting & Design

- Auto Desk Inventor
- AutoCAD Mechanical Desktop
- Solid Cast Simulation



## Patternshop

- On-site fully equipped patternshop.
- Patterns manufactured in metal, wood and resin.



# FOUNDRY FAC

## Moulding

- 15-ton/hr continuous mixers.
- Silicate Ester Harden Sand/ Alkaline Phenolic.
- Large jobbing moulds up to 11,000 net kg.



## Furnace

- Four 5-ton induction furnaces
- Two 1-ton induction furnaces.

## Heat Treatment

- Gas-fired, chart Recordable heat treatment furnaces capable in meeting all the heat treatment requirements for a wide range of metal specifications.
- Water quench.



# CILITIES

## Machining



- Vertical Borers
- Horizontal Borers
- Slotting
- Milling
- Radial Drills
- Planner
- Hobbing Machines
- Shaper Machines
- Lathes
- Wobblers

## Inspection & Testing Equipment



- Chemical Analysis
  - OE Spectrometer, covers wide range of alloys: Alloy steel, tool steel, Mn steel, cast iron, SG iron, Hi-Cr iron, carbon steel, and stainless steel.
- Metallographical Testing
  - Polishing microstructure and microscope examination.
- Sand Testing
  - Particle size/ sand distribution analysis.
  - Permeability
  - Loss of Ignitions (LOI's)
  - Tensile and compressive sand strength testing.
  - Moisture testing.
- King Brinell Hardness Tester
- Non Destructive Testing, NDT
  - Magnetic Particle Inspection, MPI
  - Dye Penetrant Inspection, DPI
  - Ultrasonic Testing, UT

# PRODUCT CATEGORIES

Typical Applications	General Uses	Material Type	Equivalent Specifications	Properties
SAG Mill Liners BALL Mill Liners AG Mill Liners Rod Mill Liners	Abrasion resistant Impact toughness	Pearlitic Cr Mo Steel	AS 2074 L2B Mod	321 - 375 HB
Jaw Crushers Mantles Bowls	Wear resistant casting subject to severe gouging abrasion Quarrying Crusher parts	Austenitic Mn Steel	AS 2074 H1A, H1B BS 3100 ASTM A128 A, C, E-1 JIS G5131 SCMn H1, H11	
Feed Chute Liners	High abrasive wear resistance	High Alloy Cr Iron	AS 2027 Cr27 BS 4844 3E ASTM A532 Class III type A 25% Cr	> 550 HB
Crushing and Grinding Parts BALL Mill Liners	High abrasive wear resistant castings subject to medium impact loads	High Alloy Cr Iron	AS 2027 CrMo 15/3 As 2027 CrMo 20/2/1 ASTM A532 Class II type B 15%Cr-Mo	> 600 HB
Chute Liners Ore Bin Liners Feed Spouts	Wear resistant castings/low impact	Ni - Hard Iron	AS 2027 Ni-Cr 4-66 ASTM Class I type D Ni-Hi Cr	> 600 HB
Rubber Rolls	General Engineering	Grey Cast Iron	AS 1830 T150-T400 ASTM A48 No 25-50	187 - 269 HB
Screws	General Engineering	Pearlitic Mn Steel	AISI 1552	163 - 229 HB
Roughing Rolls Intermediate Rolls Finishing Rolls	Rolling Mills	High Alloy Ductile Iron Alloy Stee		40 - 70 HS

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Service  
innovation  
quality



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