



BURAPA STEEL



INTERNATIONAL IRON WORKS

Company Profile

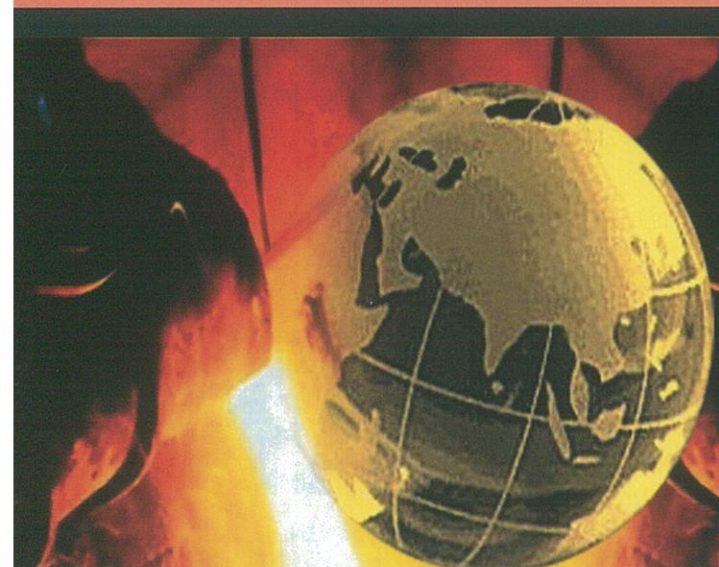


Burapa Steel Company Limited (BPS) was first established in Bangkok to manufacture cast steel and ductile cast iron parts for automotive, agricultural, earth moving and machinery parts. The company began its first factory's operations in 1974. Over the part years, business was growing up and Burapa Steel Company Limited was established another well-equipped factory in 1997, in Samut Sakorn province, around 25 Kilometers south from Bangkok.

Internation Iron Works Company Limited (IIW) was established in 1990, in Samutsakorn province, to manufacture cast iron and ductile cast iron parts, which mostly are for automotive, electrical, water works, machinery and rails system industry.

Under the same management, both companies' factories incorporate efficient production facilities and world-class standard manufacturing technology together with high attention to quality control system to ensure maximum customer satisfaction and both companies are achieved ISO 9001:2008 certification.

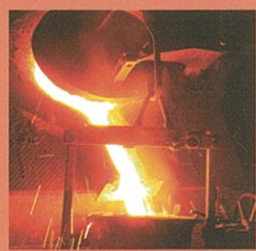
Mission and Vision



Throughout more than decades in steel and iron casting business, our companies are committed to develop and maintain high quality cast steel and cast iron products in an efficient and timely manner to meet our customer's needs and expectations.

To be one of the best foundry in Thailand, we are continuously improving our products to maximize the benefit of our customers by developing metal specifications and product lines for world wide market with quality system standards.

RAW
MATERIAL

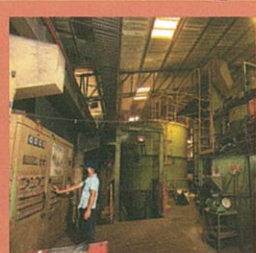


Iron melting

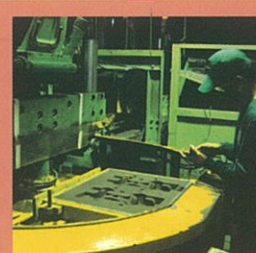
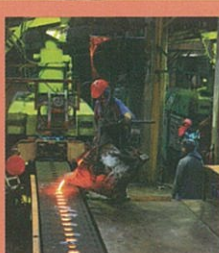
QC



Pouring



Sand mixing



Sand molding



Specifications

GRAY CAST IRONS

ISO	JIS	ASTM	DIN EN	AS	MECHANICAL PROPERTIES		
					Tensile Strength N/mm ² (MPa)	Proof Stress N/mm ² (MPa)	Elongation %
185 150	G 5501 FC 150	A 48 150	1561 EN-GJL-150	1830 T-150	150 min	-	-
185 200	G5501 FC200	A 48 200	1561 EN-GJL-200	1830 T-220	200 min	-	-
185 250	G5501 FC250	A 48 250	1561 EN-GJL-250	1830 T-260	250 min	-	-
185 300	G5501 FC300	A 48 300	1561 EN-GJL-300	1830 T-300	300 min	-	-

DUCTILE CAST IRONS

ISO	JIS	ASTM	DIN EN	AS	MECHANICAL PROPERTIES		
					Tensile Strength N/mm ² (MPa)	Yield Stress N/mm ² (MPa)	Elongation %
1083 400-15,18	G 5502 FCD 400	A536-84 60-40-18	1563 EN-GJS-400-15	1831 400-12	400 min	250 min	15 min
1083 450-10	G 5502 FCD 450	A536-84 65-45-12	-	-	450 min	280 min	10 min
1083 500-7	G 5502 FCD 500	A536-84 80-55-06	1563 EN-GJS-500-7	1831 500-7	500 min	320 min	7 min
1083 600-3	G 5502 FCD 600	A536-84 80-60-03	1563 EN-GJS-600-3	1831 600-3	600 min	370 min	3 min
1083 700-2	G 5502 FCD 700	A536-84 100-70-03	1563 EN-GJS-700-2	1831 700-2	700 min	420 min	2 min

Production Process

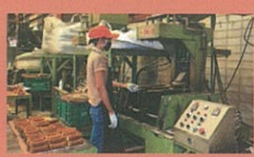


Shakeout-shotblasting

QC



Finishing



Core making



Pattern making

QC



PRODUCT

CARBON STEEL CASTING

ISO	JIS	ASTM	DIN	AS	MECHANICAL PROPERTIES		
					Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation %
3755 230-450W ⁴	G 5101 SC 450	A 27 65-35	1681 GS-45	2074 C3	450 min	225 min	19 min
3755 270-450W ⁵	G 5101 SC 480	A 27 70-36	1681 GS-52	2074 C4-1	480 min	245 min	17 min
-	G 5102 SCW 480	A 216 WCA	1681 GS-20Mn5	2074 C4-2	480 min	275 min	20 min

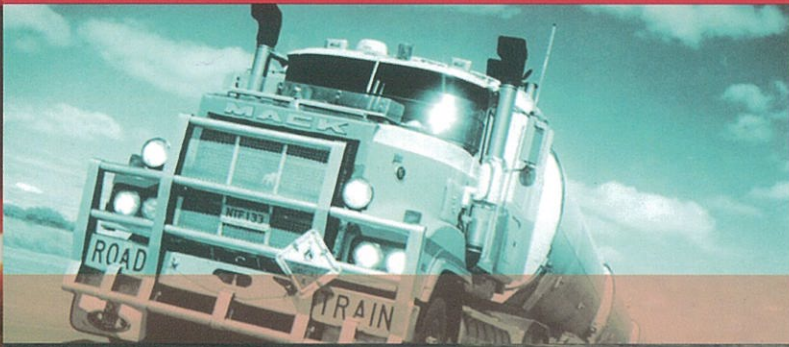
LOW ALLOY STEEL CASTINGS

ISO	JIS	ASTM	DIN	AS	MECHANICAL PROPERTIES		
					Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation %
-	G 5111 SCMn3	A 148 90-60	-	2074 C	640 min	370 min	13 min
-	G 5111 SCMn5	A 487 Dn	GS-46Mn4	2074 C6	690 min	390 min	9 min
-	G 5111 SCCrM3	A 148 105-85	-	2074 L2B	690 min	440 min	9 min
-	G 5111 SCMnCrM3	A 148 115-95	-	-	740 min	540 min	9 min
-	G 5111 SCNCrM2	A 148 135-125	-	-	780 min	590 min	9 min

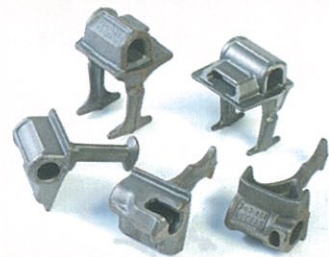
HIGH ALLOY STEEL CASTINGS

ISO	JIS	ASTM	DIN	AS	MECHANICAL PROPERTIES		
					Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation %
-	G 5121 SCS 12	A 743 CF 20	17445 G-X10CrNi188	-	480 min	205 min	28 min
-	G 5121 SCS 14	A 743 CF8M	17445 G-XCrNiM01810	2074 H6C	440 min	185 min	28 min
-	G 5122 SCH 13	A 297 HH	17465 G-X40CrNiSi2512	2074 H8B	490 min	235 min	8 min
CD 11973 ISNGX40CrNi2520	G 5122 SCH 21	A 297 HK	17465 G-X40CrNiSi2520	-	440 min	235 min	8 min
-	G 5131 SCMnH3	A 128 A	17145 X110Mn14	2074 H1A	740 min	-	35 min
-	G 5131 SCMnH11	A 128 C	-	2074 H1B	740 min	390 min	20 min

Products



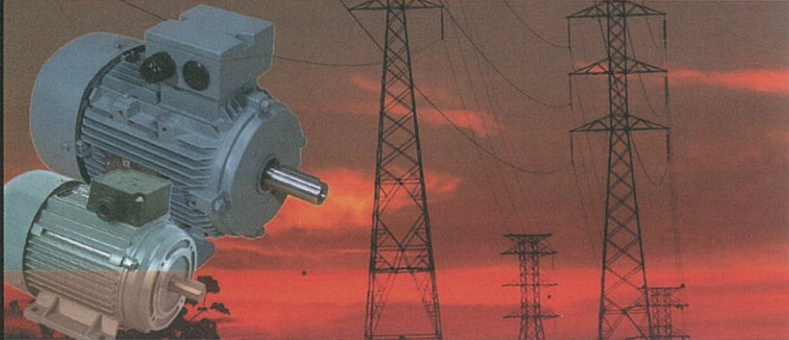
Automotive Parts



Railway parts



Heavy Equipment Parts



Electrical Parts



Construction Parts



Machinery Parts

Quality System

We commit to develop
our quality staff,
product and
organization to satisfy
our customer"

We give high attention to quality control
through the internationally accepted quality
system and maintain in-house testing facilities
for our products.

Both of our companies are accredited under
the ISO 9001 Version 2008 quality assurance
programme & ISO/TS 16949 : 2009 IN 2010.



BURAPA STEEL COMPANY LIMITED

Head office : 84 Pracha-utis Rd., Bangmod, Thungkru, Bangkok 10140

Tel : 0-2427-0035-8, 0-2872-7004-7, Fax : 0-2427-2700

E-mail : BPS-MK@BPSIIW.COM

Mahachai Factory : 36/1 Moo 4 Ekkachai Rd., Nadee, Muang, Samutsakorn 74000 THAILAND

Tel : (034) 861489 (Automatic), Fax : (034) 861408

E-mail : IIW-MK@BPSIIW.COM

INTERNATIONAL IRON WORKS COMPANY LIMITED

36 Moo 4 Ekkachai Rd., Nadee, Muang, Samutsakorn 74000 THAILAND

Tel : (034) 861489 (Automatic), Fax : (034) 861408

E-mail : IIW-MK@BPSIIW.COM