



<http://www.amrcasting.com>



AMR CASTING ALLOYS S.L.U

Company established in Etxarri Aranatz-NAVARRA which its main activity is Cutting, Machining of Centrifugal, Cast and Forged pieces.

AMR is specialized in the production of parts up to a maximum diameter of 1200 mm, for iron, carbon steel, stainless and nickel base alloys for the petrochemical, food, gas and chemist application.

Trading of castings and forging materials such as iron, carbon steel, stainless and nickel base alloys for the petrochemical, food, gas and chemist applications.

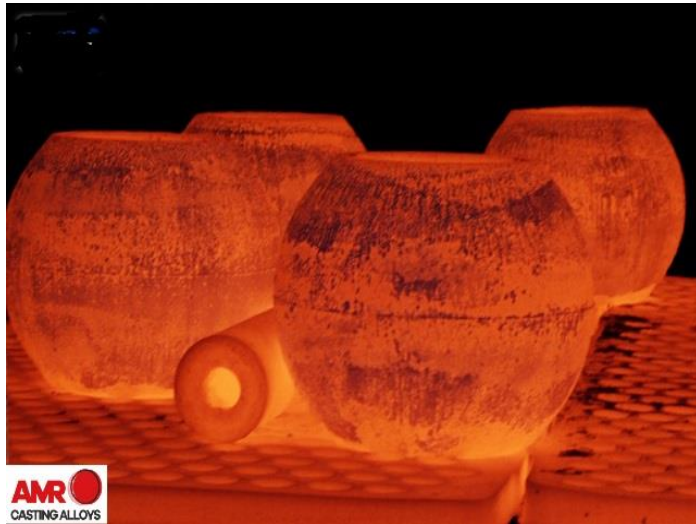
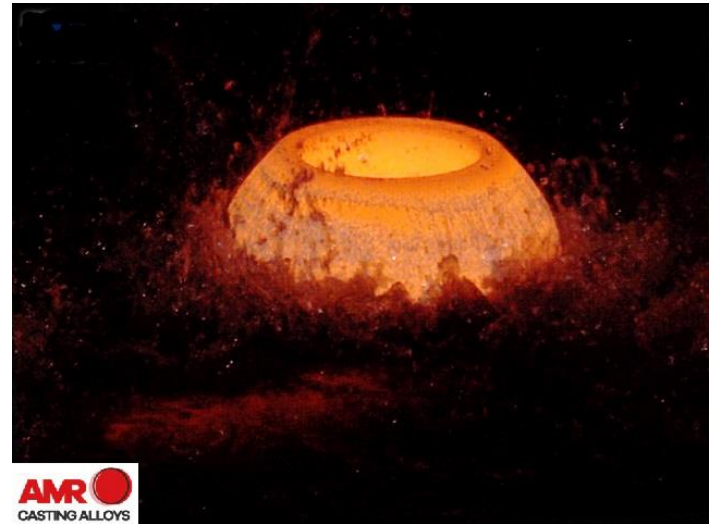


PROCESS

FOUNDRY: CENTRIFUGAL CASTING



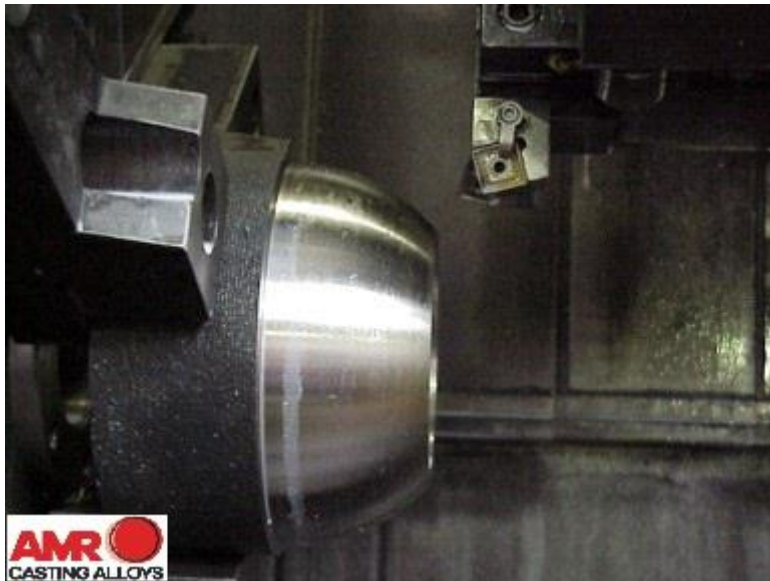
HEAT TREATMENT



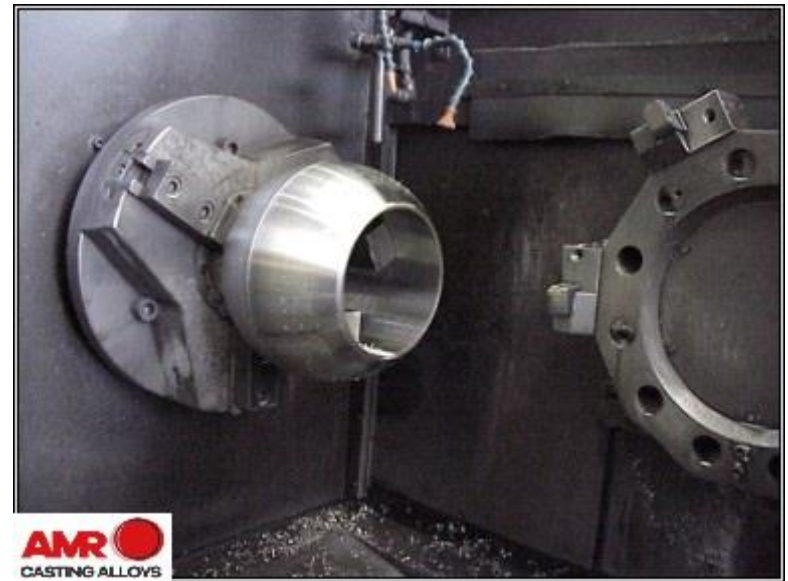
MACHINING

Pre-Machining

Outside turning and inside boring



2nd half outside turning



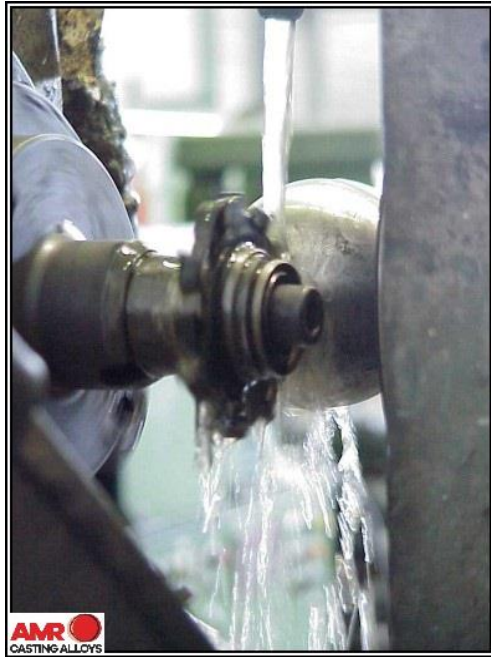
Finish Turning



Finish Round Corners



Slot Milling



Polishing

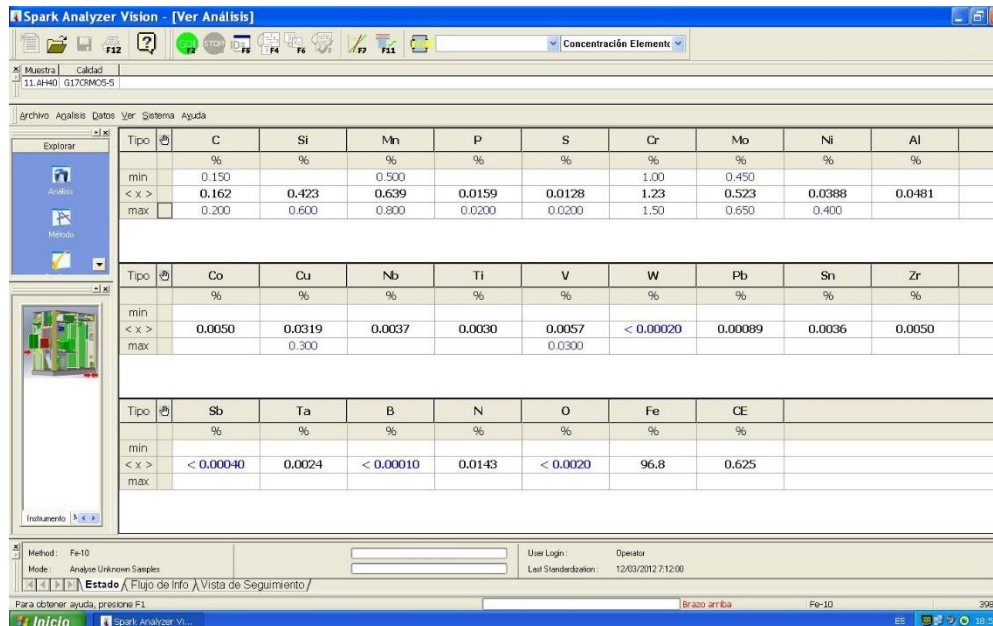


CUTTING



QUALITY CONTROL

Within the company, quality is understood as a work philosophy that concerns and involves all the elements that are part of it, from each department to each and every member of their active involvement in quality.



The screenshot shows the 'Spark Analyzer Vision - [Ver Analisis]' window. It displays a table of elemental concentrations for sample '11.AH40'. The table is organized into three sections, each with a 'Tipo' column and a 'Concentración Elemento' column. The first section lists elements C, Si, Mn, P, S, Cr, Mo, Ni, and Al. The second section lists Co, Cu, Nb, Ti, V, W, Pb, Sn, and Zr. The third section lists Sb, Ta, B, N, O, Fe, and CE. The table includes rows for 'min', '< x >', and 'max' values. The status bar at the bottom indicates 'Método: Fe-10', 'Modo: Analise Unknown Samples', 'User Login: Operador', and 'Last Standardization: 12/03/2012 7:12:00'.

Tipo	C	Si	Mn	P	S	Cr	Mo	Ni	Al
min	0.150	0.500	0.0159	0.0128	1.00	0.450	0.0388	0.0481	
< x >	0.162	0.423	0.639	0.0200	0.0200	1.23	0.523	0.0388	0.0481
max	0.200	0.600	0.800	0.0200	0.0200	1.50	0.650	0.400	

Tipo	Co	Cu	Nb	Ti	V	W	Pb	Sn	Zr
min	0.0050	0.0319	0.0037	0.0030	0.0057	< 0.00020	0.00089	0.0036	0.0050
< x >		0.300			0.0300				
max									

Tipo	Sb	Ta	B	N	O	Fe	CE
min	< 0.00040	0.0024	< 0.00010	0.0143	< 0.0020	96.8	0.625
< x >							
max							

Control inspections throughout the production process enabling our Quality Control Department to issue certificates.

We are working under an integrated **ISO 9001:2008** Quality Management System

CERTIFICATE

OCA
GLOBAL

OCA Instituto de Certificación, S.L.U.
Certifies the quality management system of

AMR CASTING ALLOYS, S.L.U.
Zumardiñeta Industria Eremua, 18. 31820 ETXARRI-ARANATZ (Navarra)

according to the standard:

UNE-EN ISO 9001:2015
applicable to:

Centrifugal casting.
Cutting, machining and trading of cast and forged pieces.

Certificate nº: 34/5200/19/4051
Initial certification date: 2019/04/25
Current cycle certification date: 2019/04/25
Expiry date: 2022/04/25
Initial audit date: 2019/03/15 and 21
Issue date: 2019/04/25




David Leo
CEO

Any additional explanation related both to the scope of this certificate and the applicability of the requirements of the rules can be achieved by contacting the company.
Vía de los Dos Castillos, 7 - Ed. OCA Group - 28204 Pozuelo de Alarcón (Madrid)



ALLOYS

STANDARD ALLOYS LIKE:

- 1.4408 or CF8M (AISI 316) (improved resistance to corrosion by sulphites, phosphoric organic acids and chloride containing
- 1.4308 or CF8 (AISI 304) (austenitic stainless resistant to weak acids, intergranular attack) and Low Carbon alloys
- 1.4027 (AISI 420) or CA15 (AISI 410) (ferritic wear & corrosion resistance to water and steam)
- ASTM A350 LF2
- Duplex 1.4462 or F51 (S31803)
- Good resistance to seawater (1.3964)
- Resistant to acids, seawater for excessively severe conditions (1.4539)
- Ni-basis or Hastelloy.
- Others: 1.4581, 1.4460, 1.4340, 1.4404....





PRODUCTS

VALVE BALLS AND SPECIAL PRODUCTS



The products manufactured by AMR can be supplied, as:

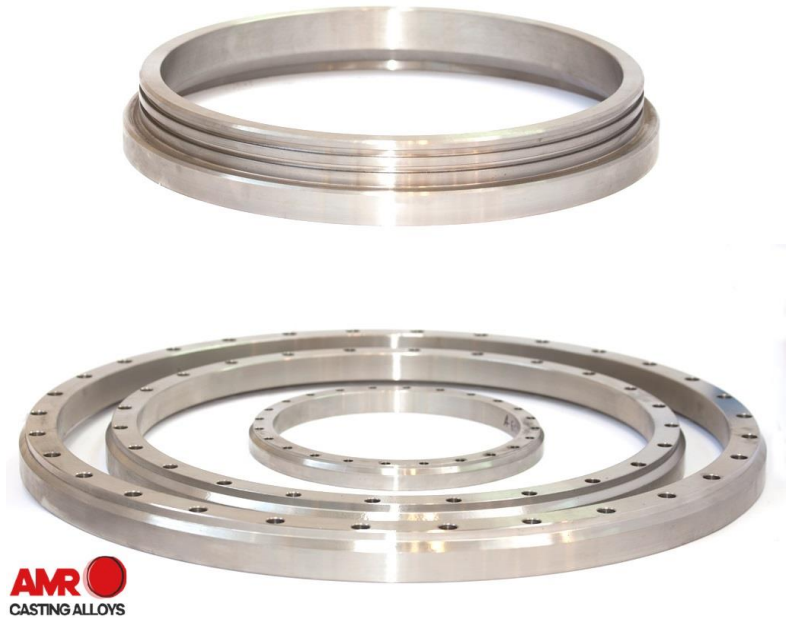
- Tube sections for their further machining
- Shaped pre-machining pieces.
- Completely finished pieces as per drawing

SOLID AND HOLLOW BALLS



Balls with nominal diameters from ½” to 48” with various designs such as floating, trunnion mounted, three way “T” and “L” available.

SEAT RINGS



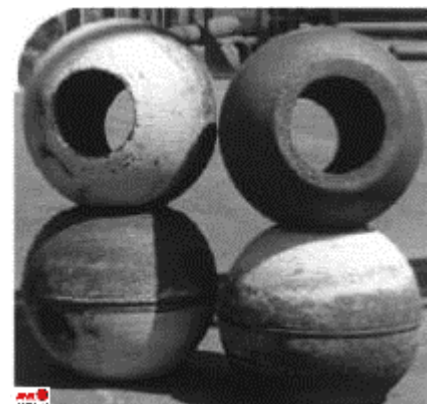
Other small parts like valves seat rings with high grade of dimensional accuracy and precision

SPECIAL PRODUCTS



Vertical and horizontal centrifugal casting special products:
BODIES, LATERAL,...

STOCKAGE





THAN YOU
VIELEN DANK
MERCI



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