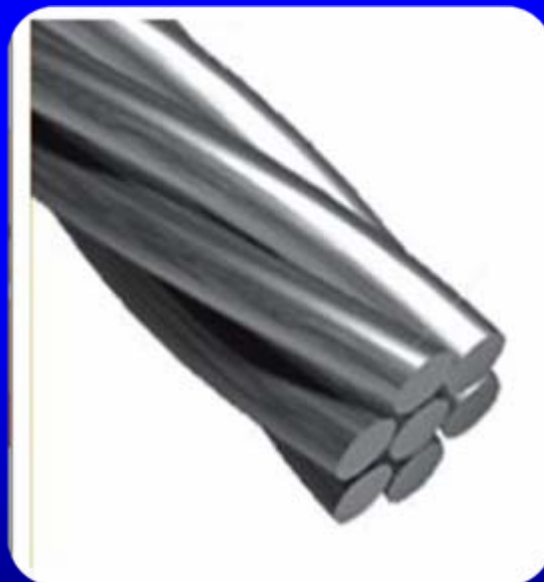


SunWyre
presenta

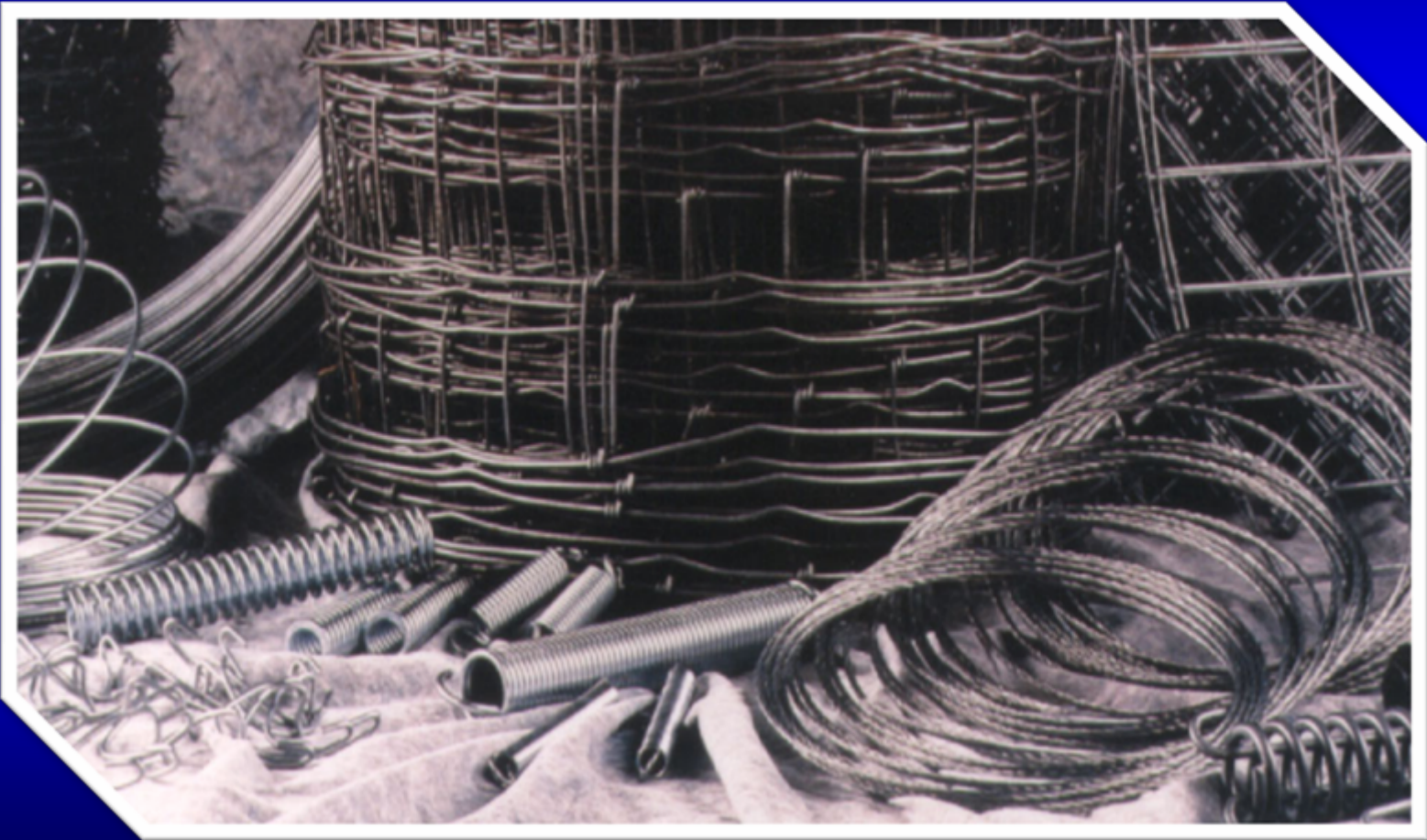
MHD
Tecnología de Galvanización



Alambre galvanizado desde alambión, en un proceso continuo.



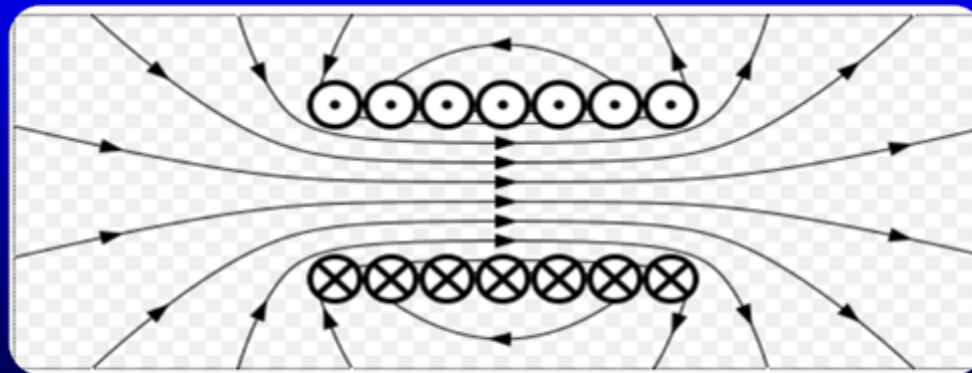
Galvanizado MHD



MHD

Magneto-Hidro-Dinámica

La ciencia de usar campos magnéticos para almacenar y mover metales fundidos



El proceso de galvanizado MHD



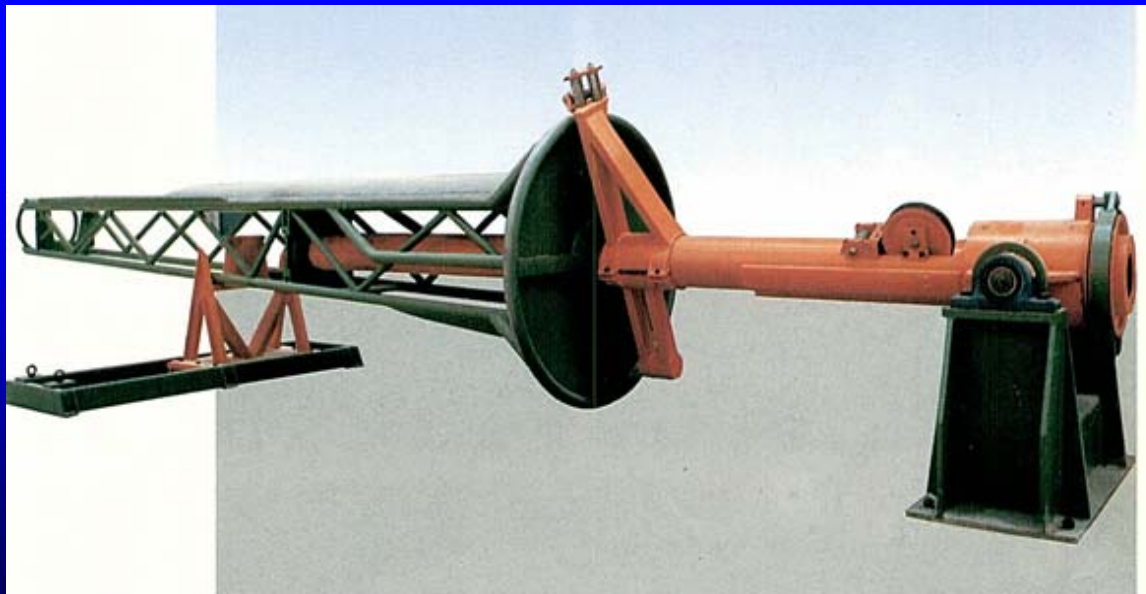
Draw or roll the coated product.

- Coil or cut-to-length and package.

OR

Coil and package the coated product or cut-to-length and bundle.

Debobinadores de alta velocidad



Acumuladores



Enderezadores automáticos



Equipo de control de tensión



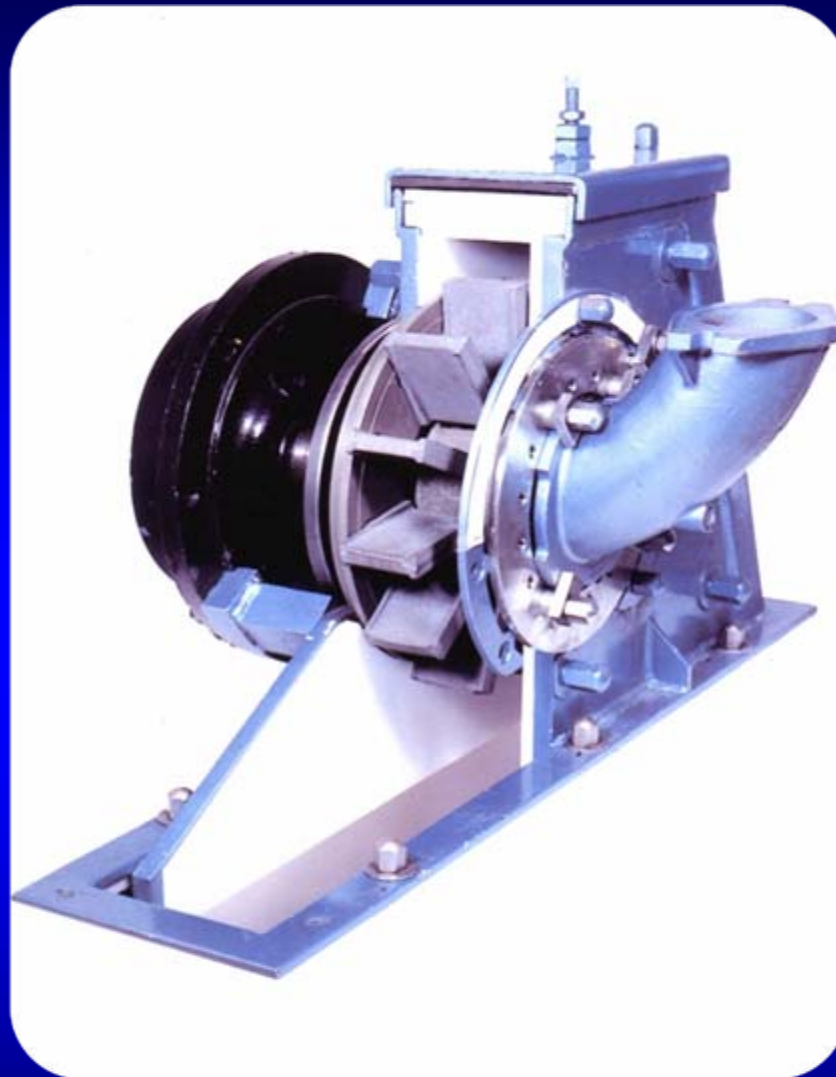


Granalladora de cuatro turbinas



Blast Machines

Photo courtesy USF Surface Preparation Group



Turbina de granallado
Foto cortesía de Cym Materiales S.A.

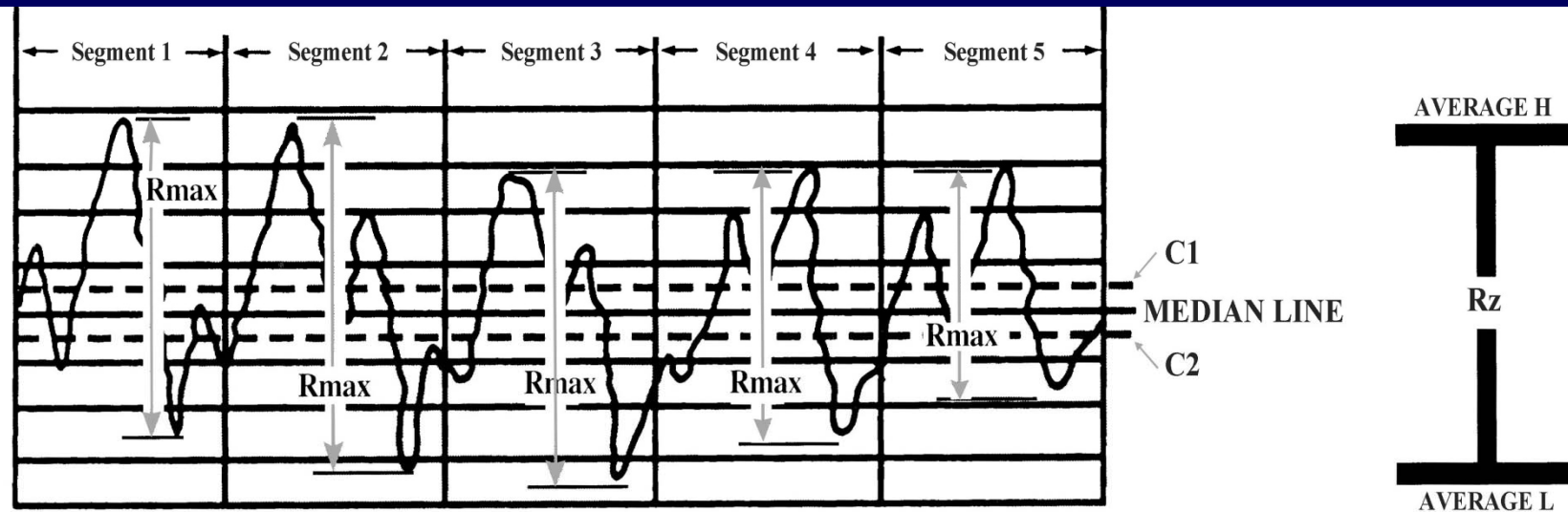
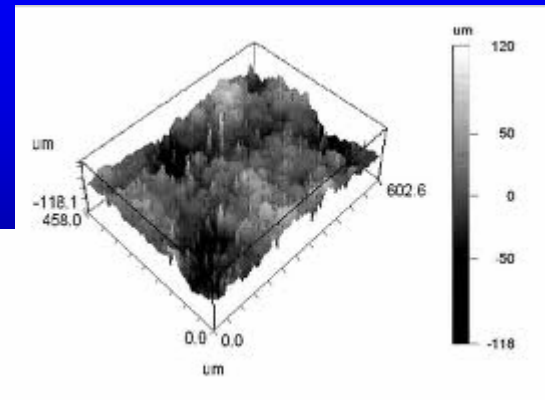
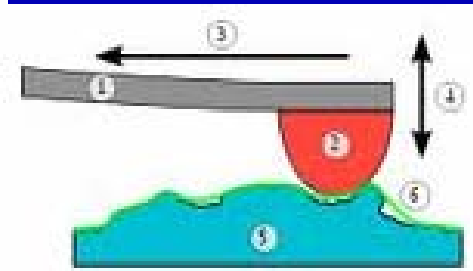
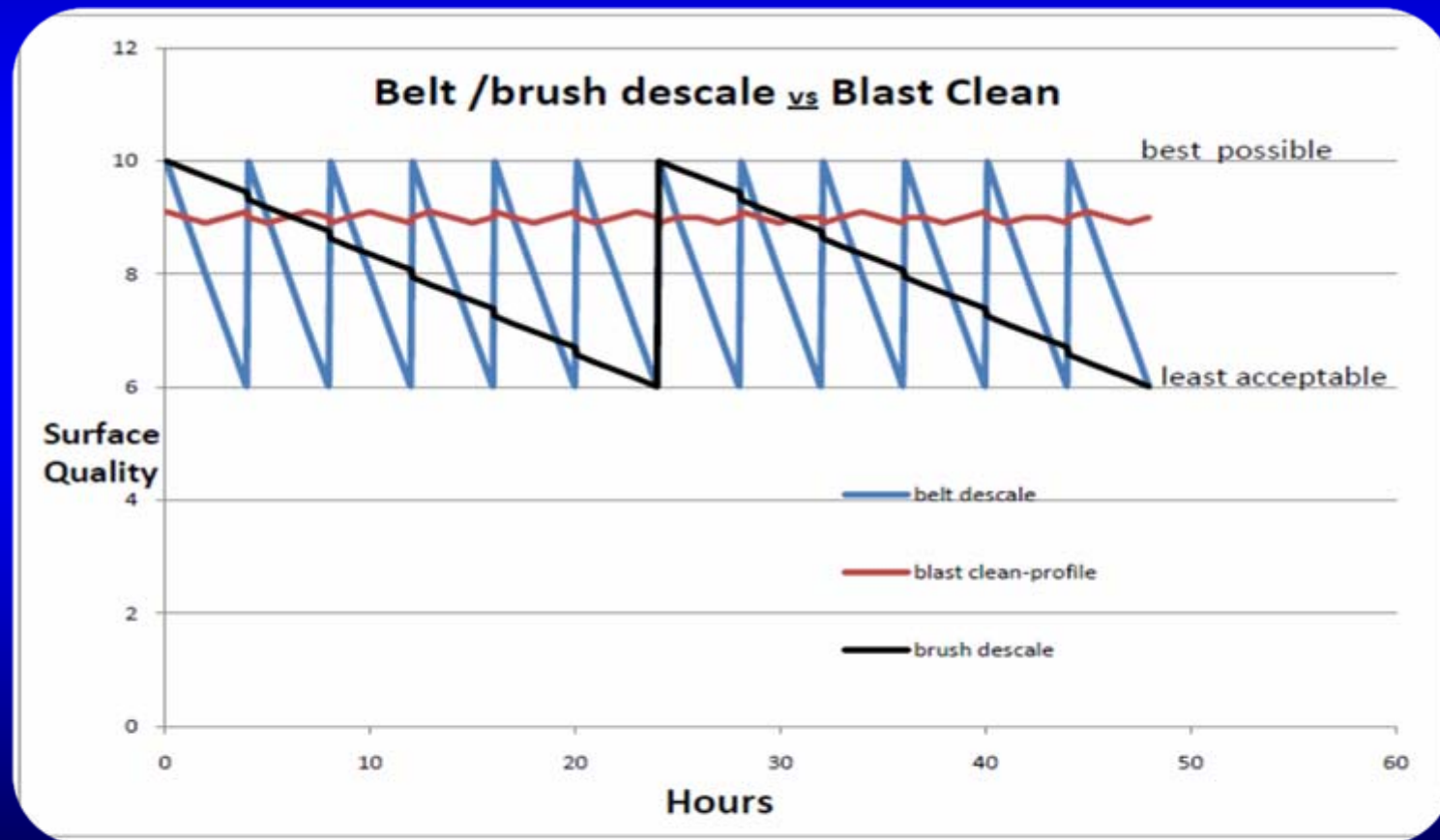


Fig. 9 Surface Profile Parameters

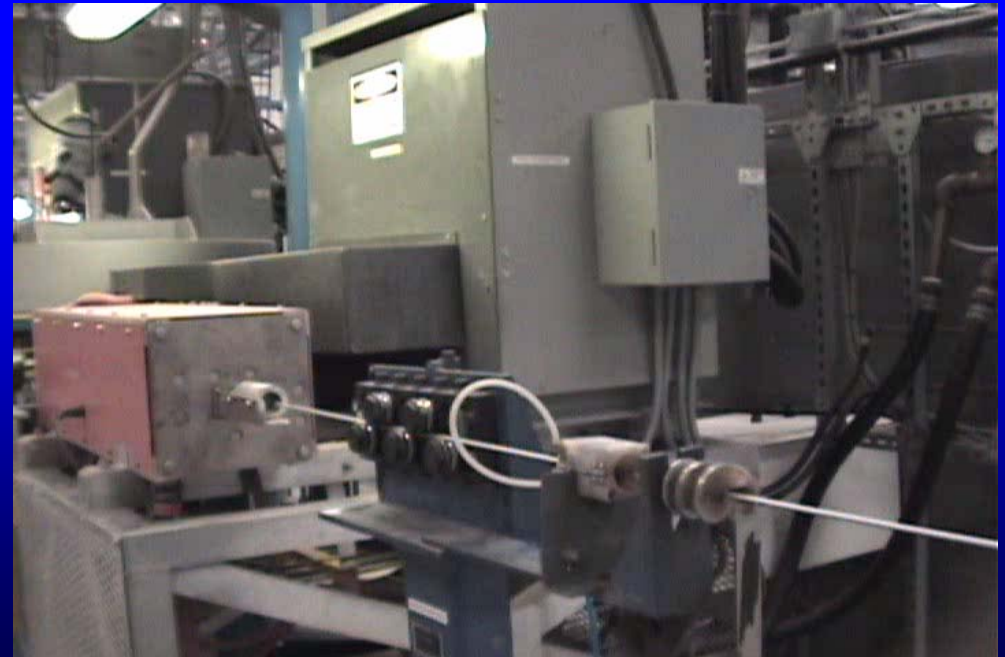


Comparación de limpieza mecánica Granallado vs Cepillos vs Lijas



Tecnología superior de galvanizado

Horno de inducción eficiente



Máquina de galvanizado MHD





**Bobina MHD de
entrada**



The image shows a close-up of a metallic assembly, likely part of a plasma device. A central cylindrical component, the MHD output coil, is visible. It is connected to two red high-pressure hoses via brass fittings. The hoses have white text that reads "HOSE 300 PSI S. 1 WBS NON COIL". The assembly is mounted on a metal plate with various bolts and a small circular component. A white text box with blue text is overlaid on the right side of the image.

Bobina MHD de salida

Magnetic Wiping – Exit Coil

The magnetic wiping pressure developed by the Process' exit coil is predicted by the following simplified relationship * for a resistive magnet :

$$B = G \left\{ \frac{W y}{f a} \right\}^{1/2}$$

Where **B** = magnetic field strength

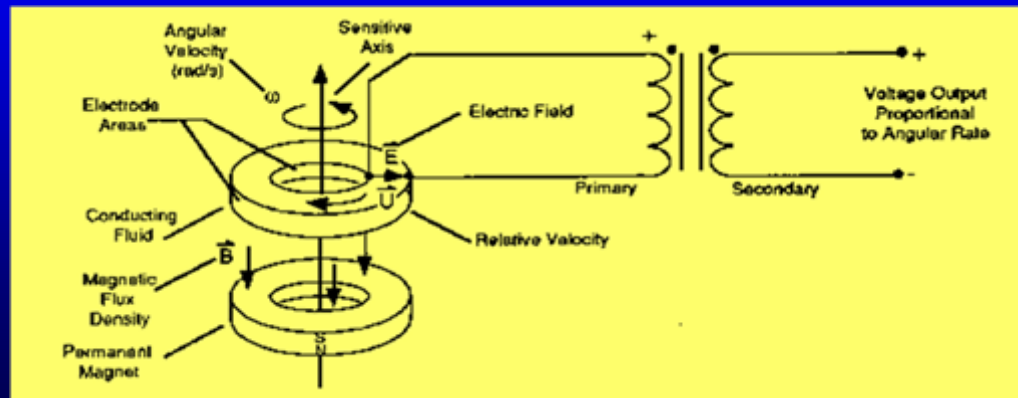
G = geometric factor (a constant)

W = power

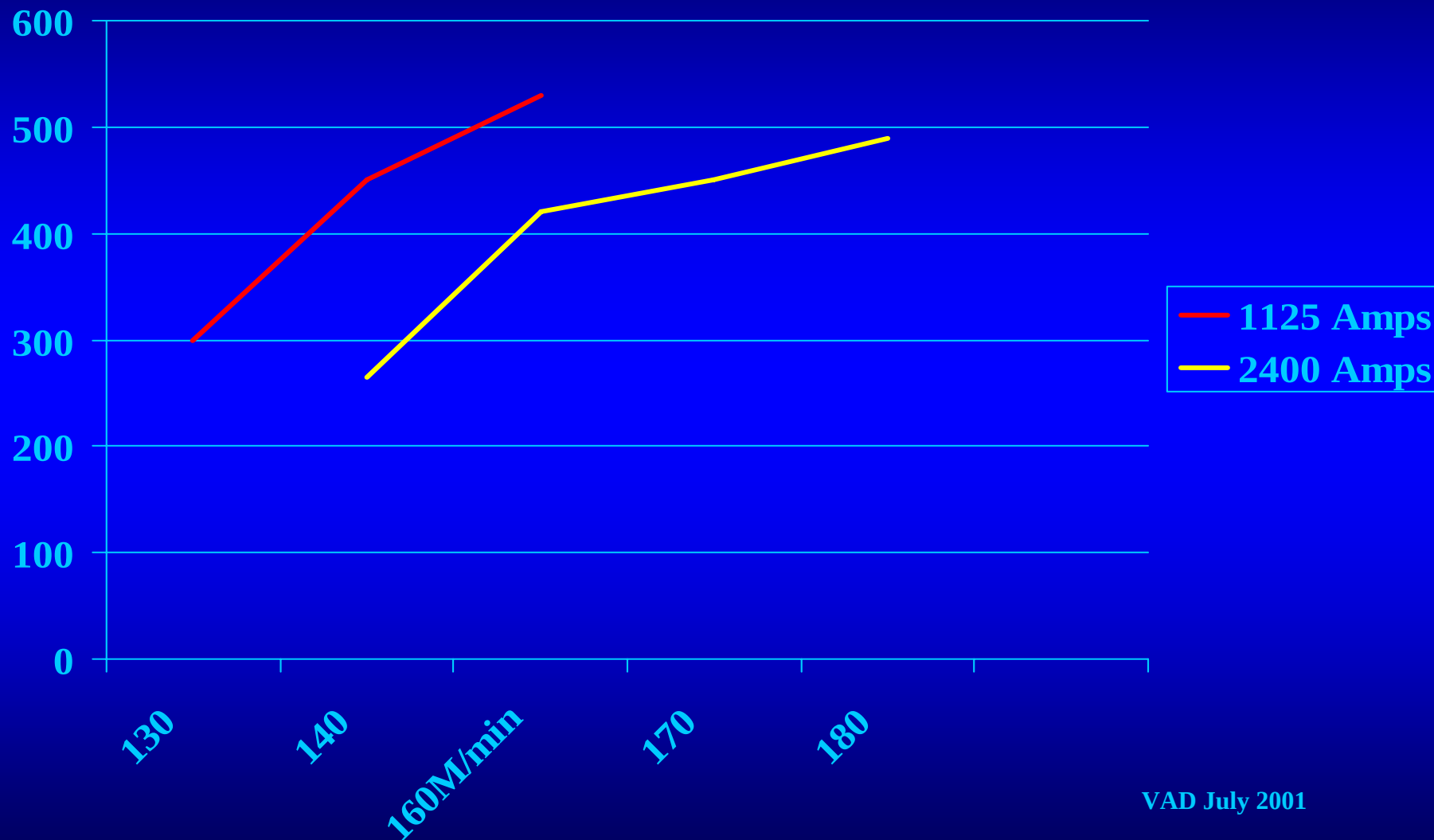
y = space factor = conductor
volume/total volume

f = resistivity

a = inner radius



Peso bruto de recubrimiento (gm/M2) vs Velocidad de la línea



VAD July 2001

Sistema de control automático



Enfriamiento con agua



Enrollado



Línea horizontal de galvanizado MHD





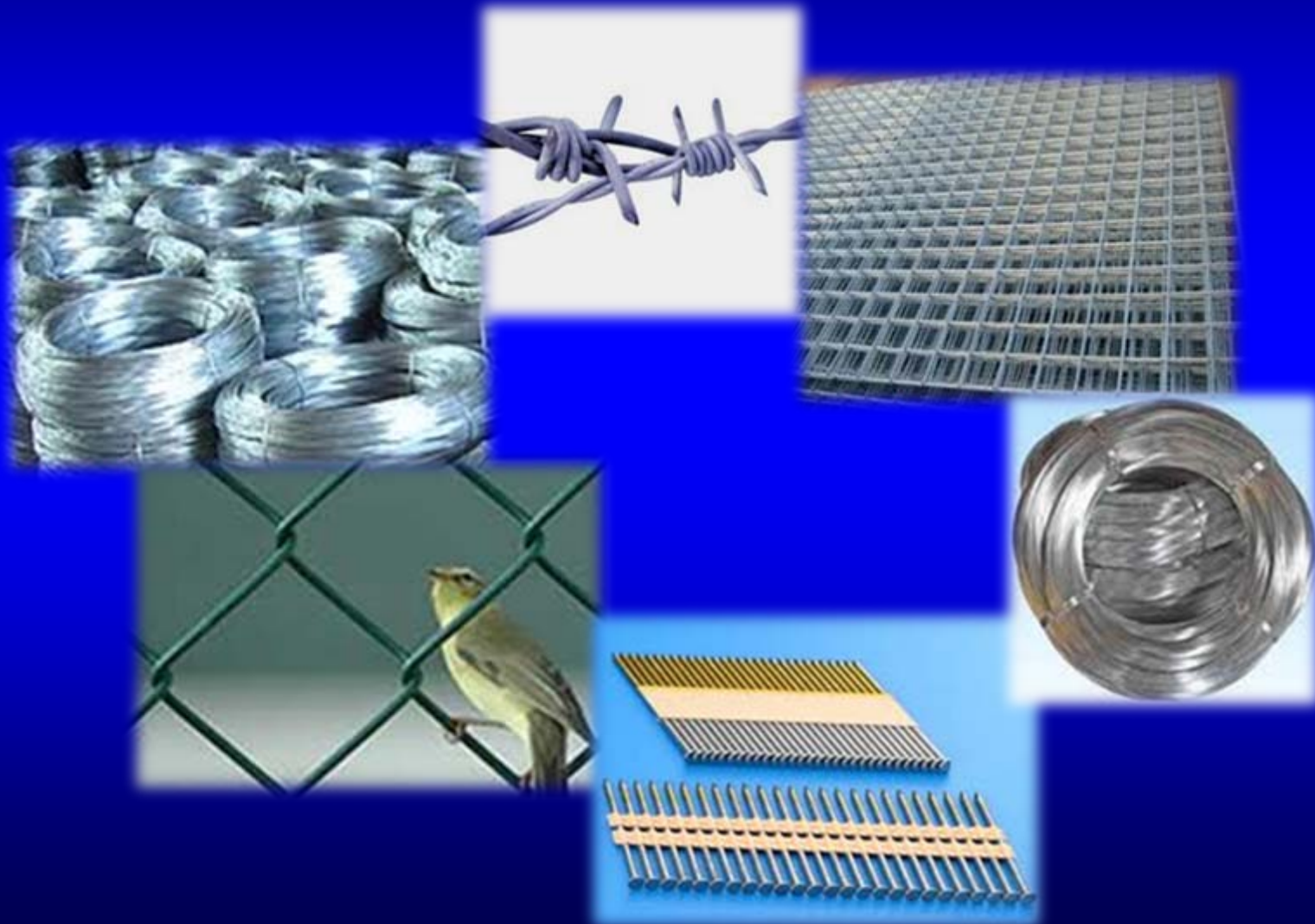
Teconología superior de galvanización *ECOLÓGICA*

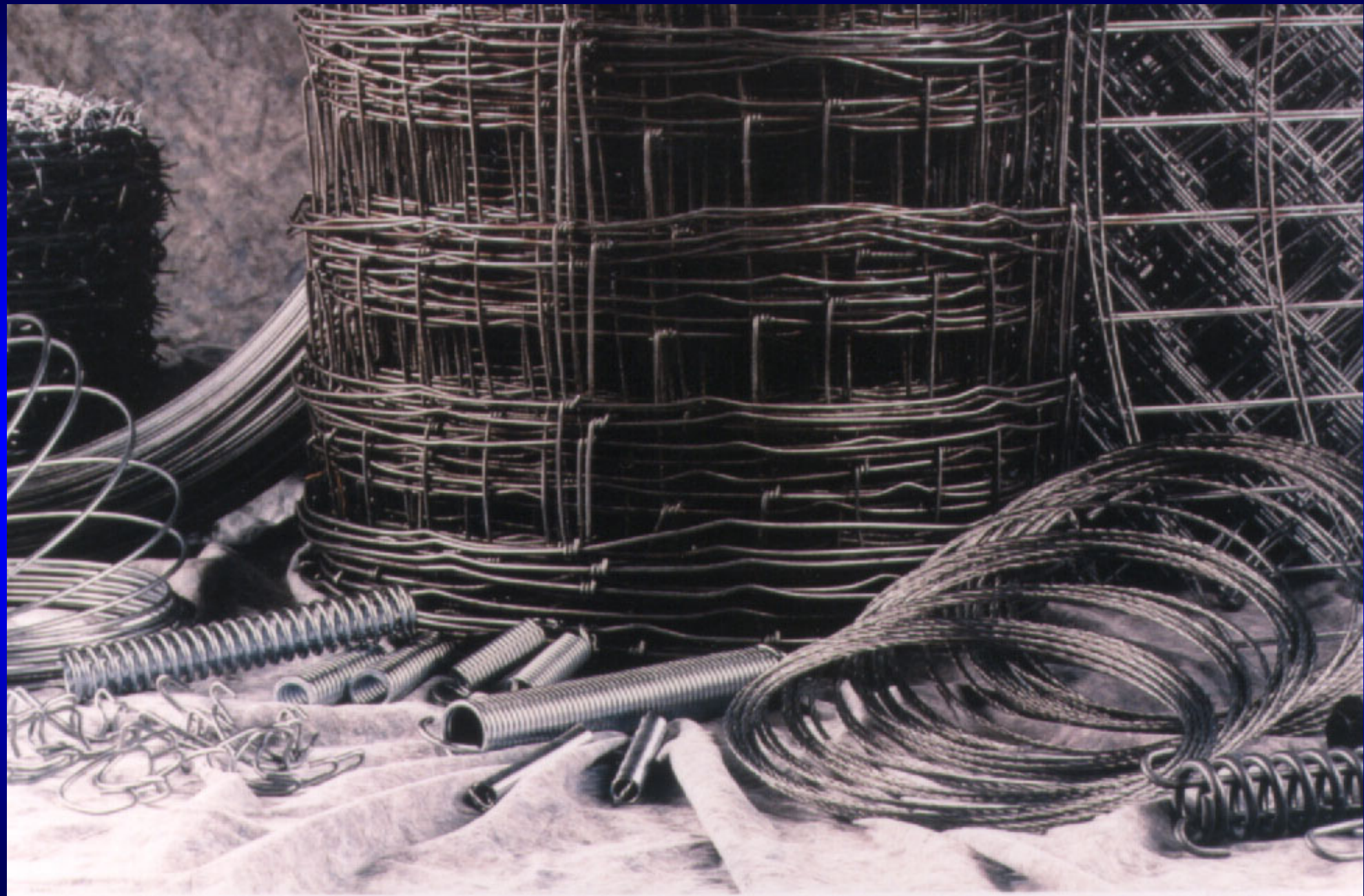


No contamina

No ácido, no flux

Ejemplos de productos MHD

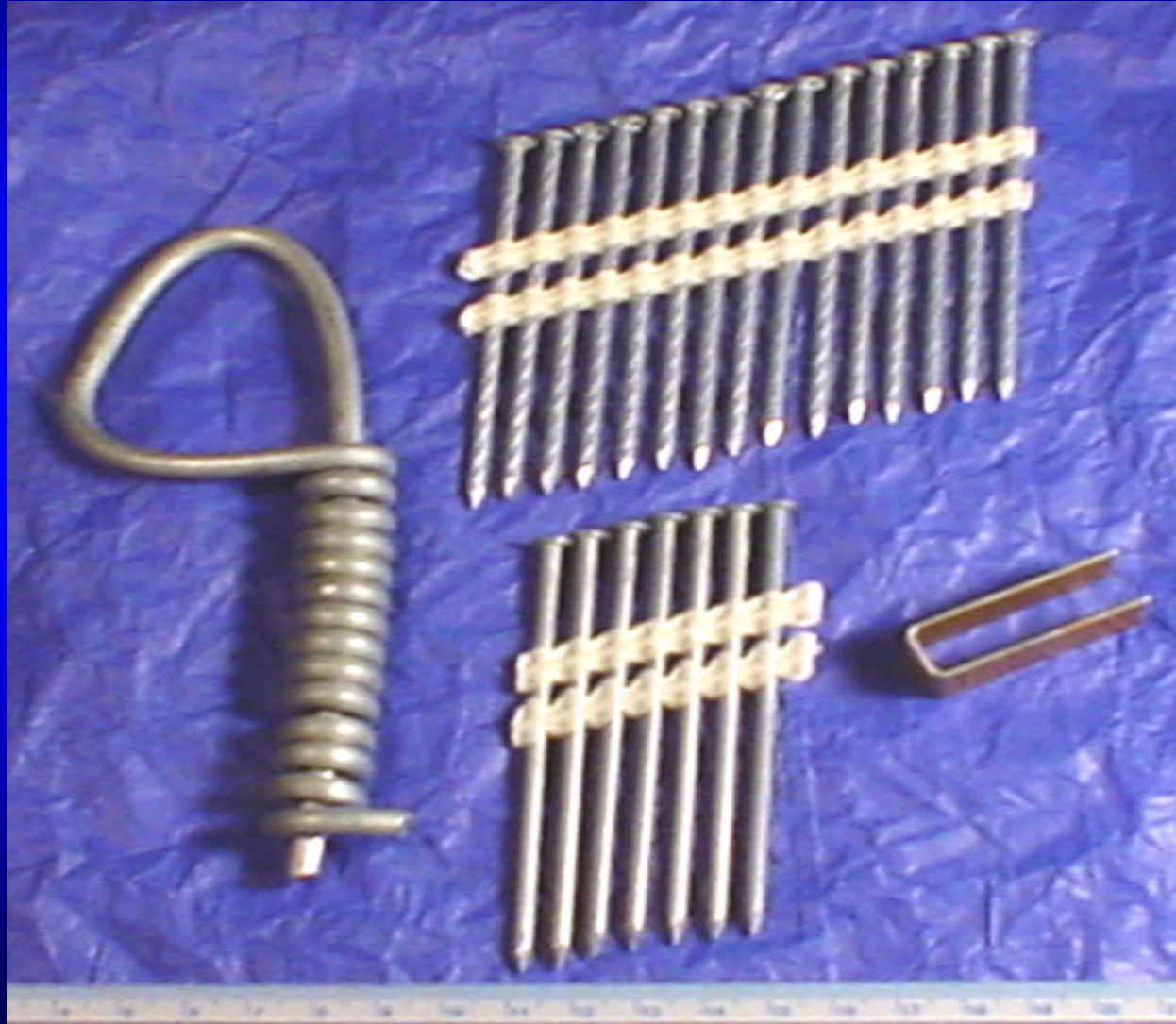




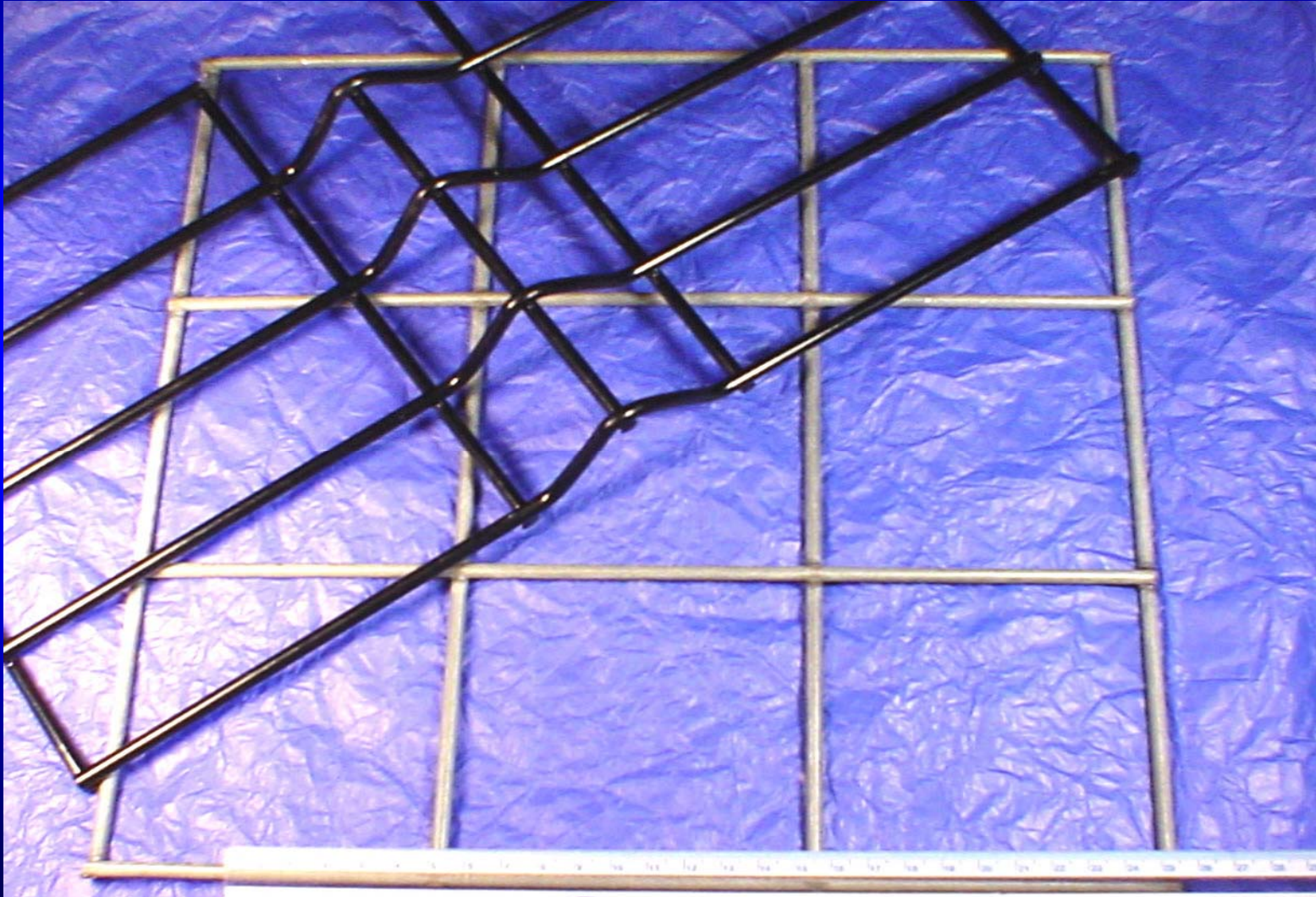
Productos gruesos



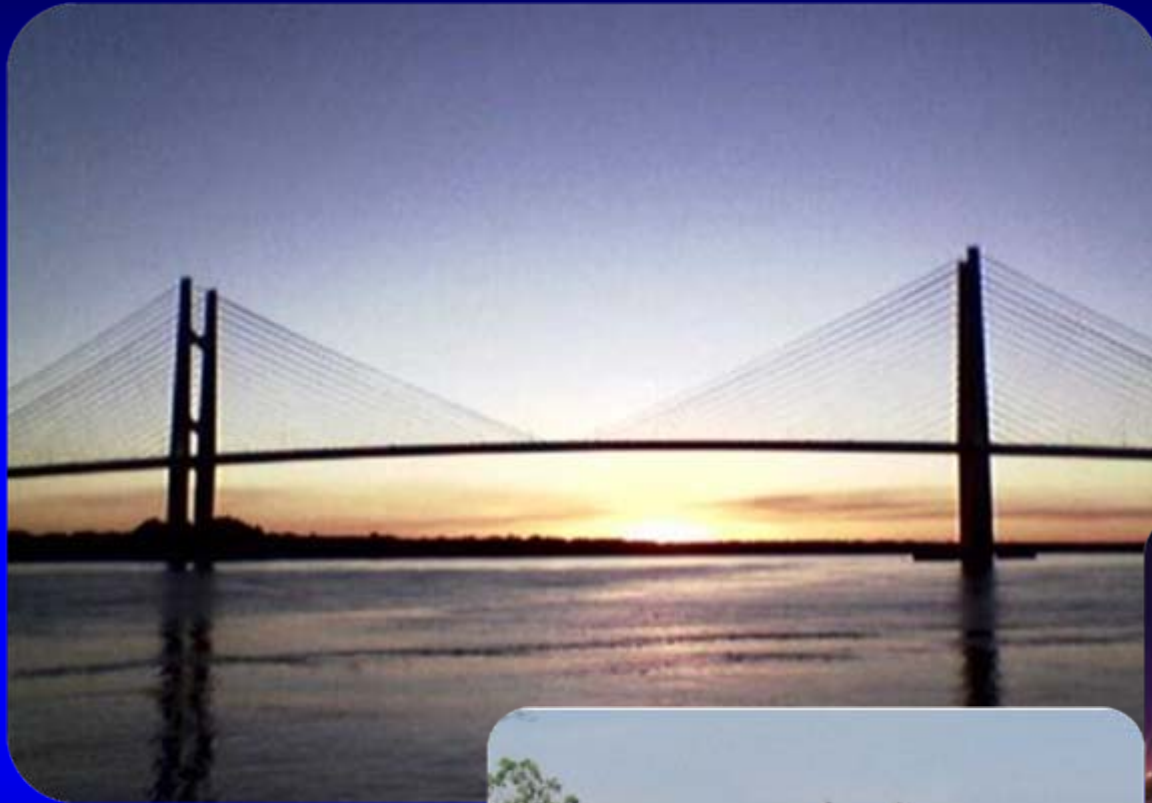
Clavos y grapas



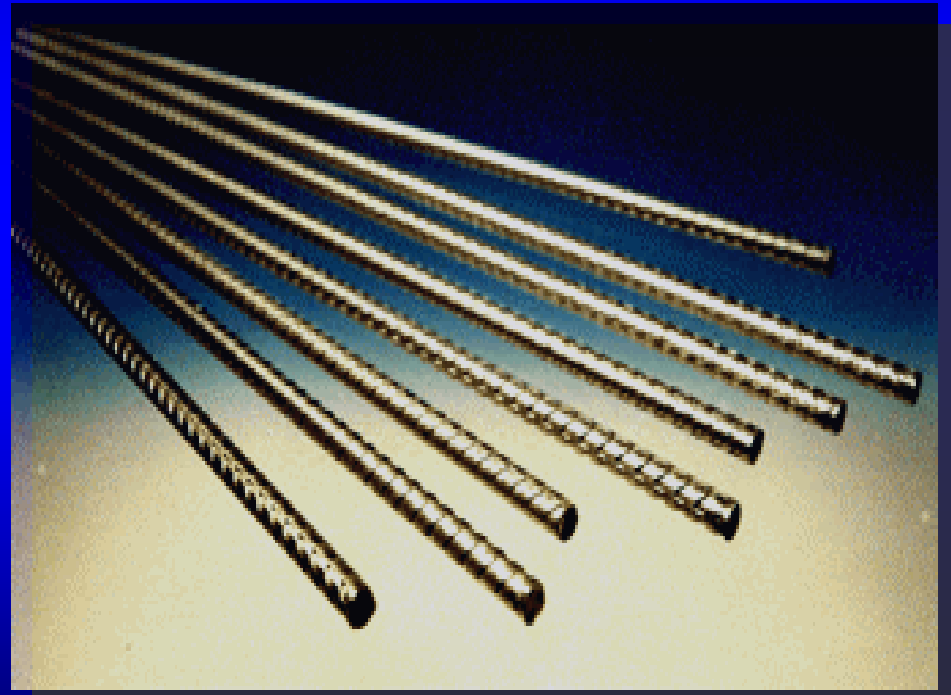
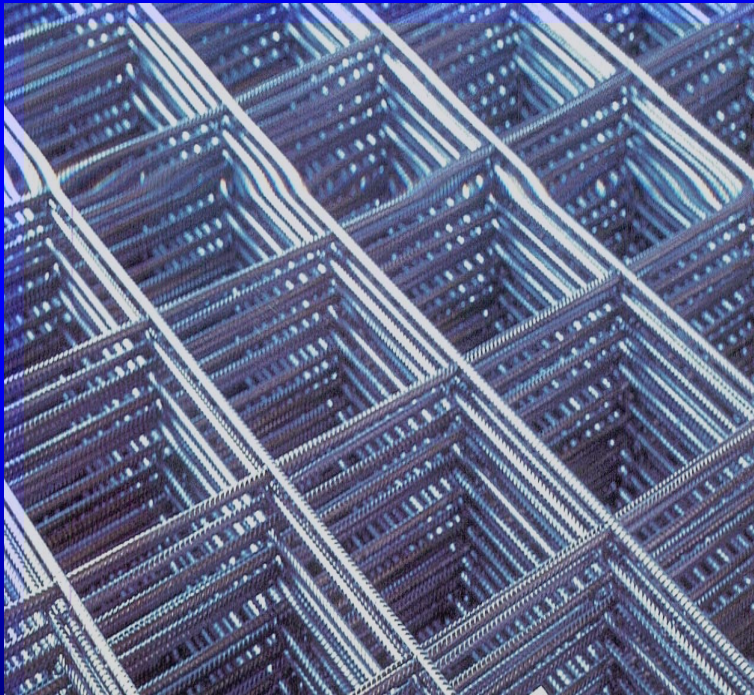
Malla electrosoldada y de cerramiento







Barras y malla de refuerzo



Recubrimientos de zinc dúctiles









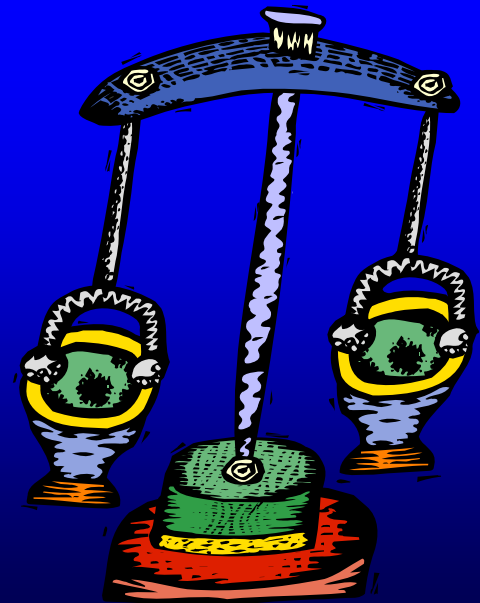
Amplio rango de productos

Dia.	Chem.	Coating Wt.	Wire	Product
5.5mm	C1006	210 gm/sqM zinc	2.3mm	vinyl chain link fence
"	"	450 " "	3.3 "	tight-lock agricultural fence
"	"	412 " "	3.3 "	comm. grade chain link
"	C1075	335 " Galfan	1.7 "	ROV control cable
6.0mm	C1006	335 " zinc	3.7 "	Mine mesh WWF
9.5 "	C1040	305 " Galfan	8.1 "	auto wiper arms
11.0 "	C1084	335 " "	4.2 "	highway barrier cable
11.0 "	C1006	450 " zinc	10.0 "	concrete reinforcing

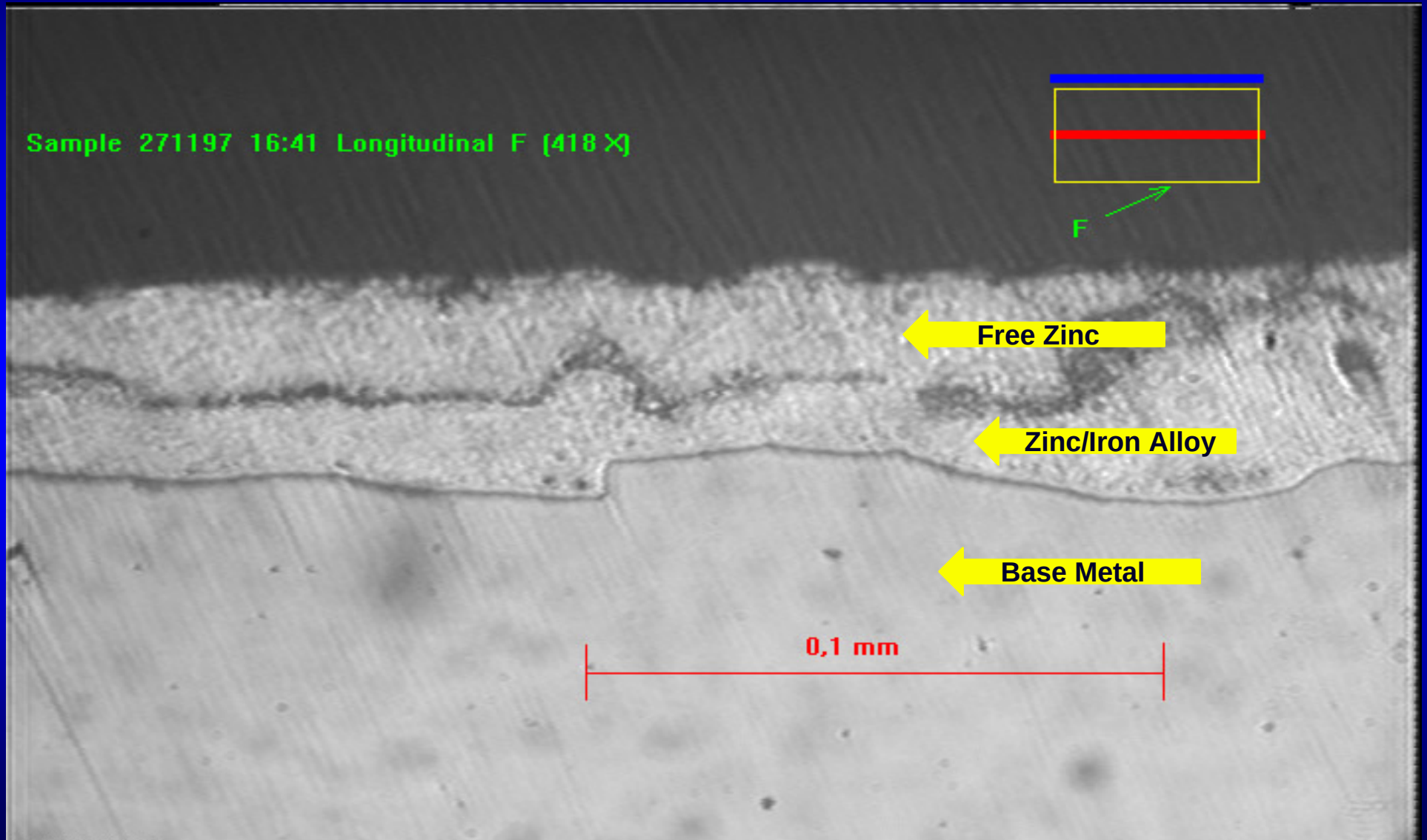
Mejores recubrimientos

Más zinc libre por gramo de recubrimiento.

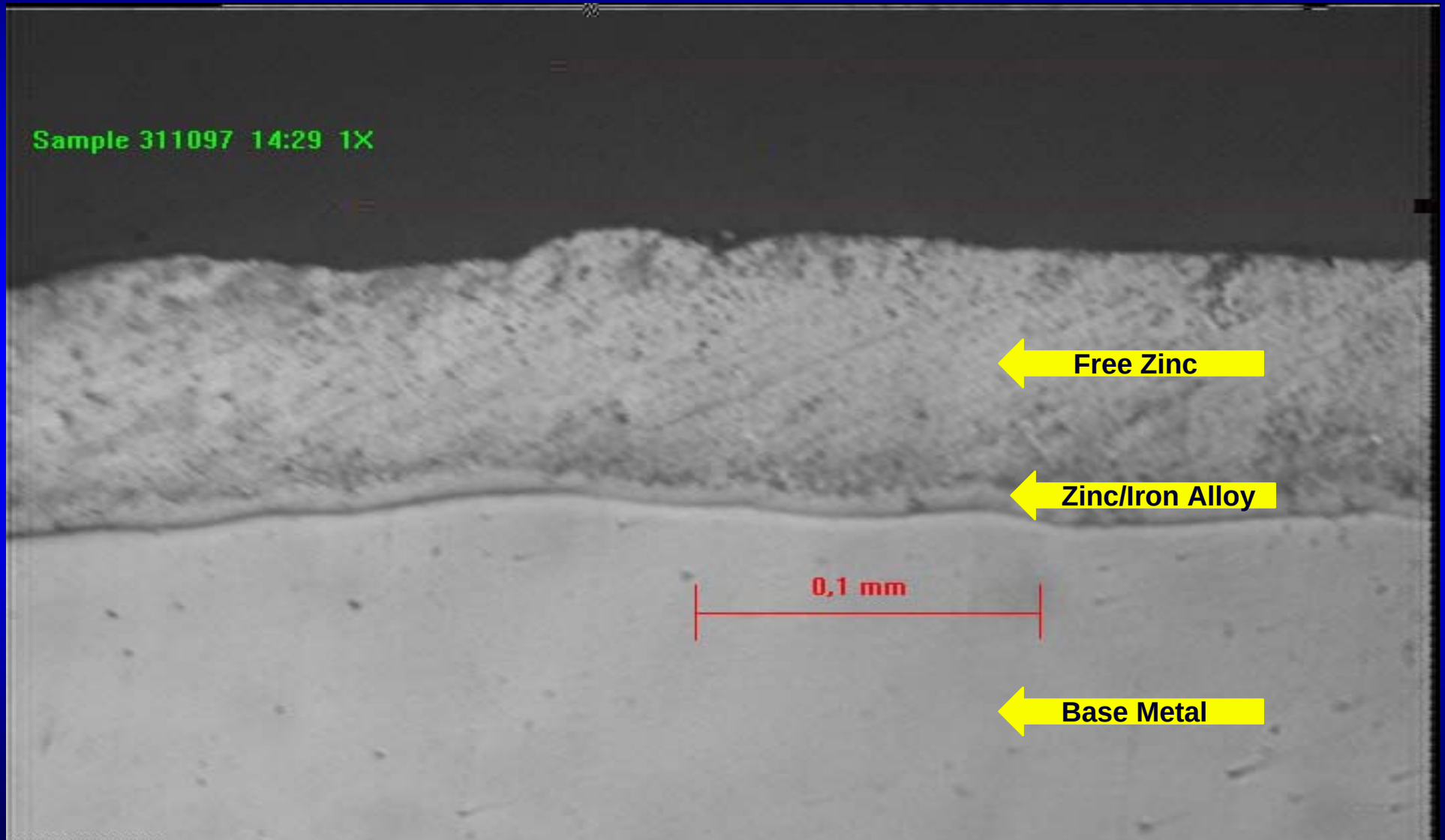
Galfan_R, doble resistencia a la corrosión



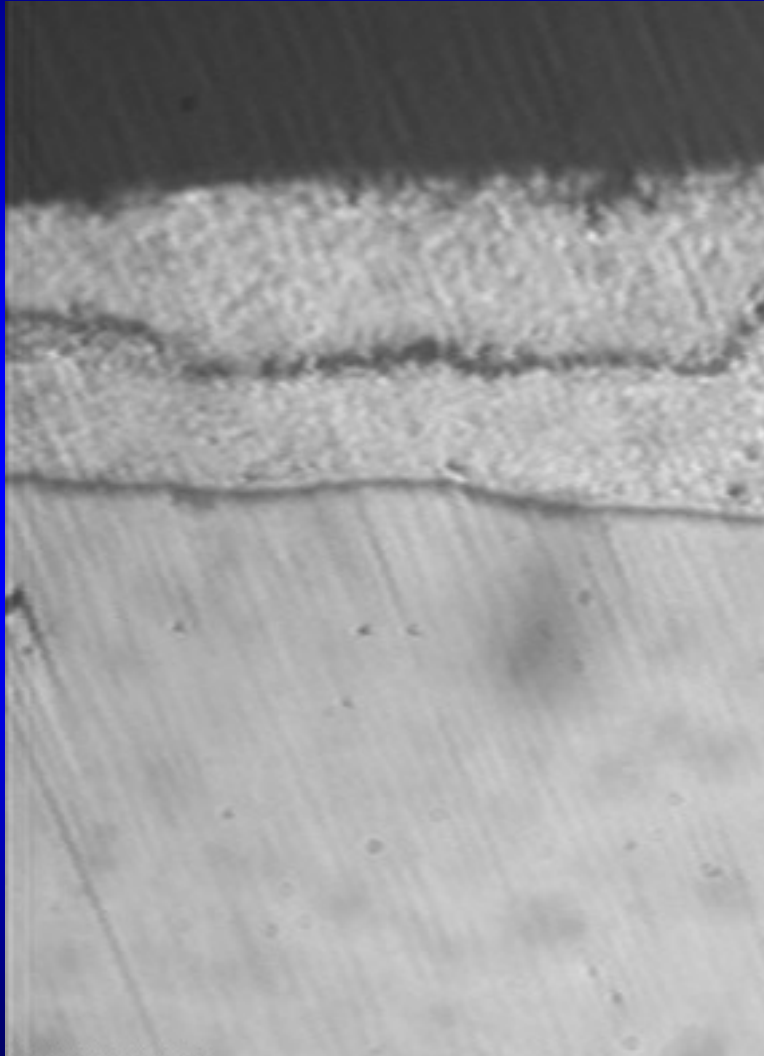
Alambre galvanizado clásico



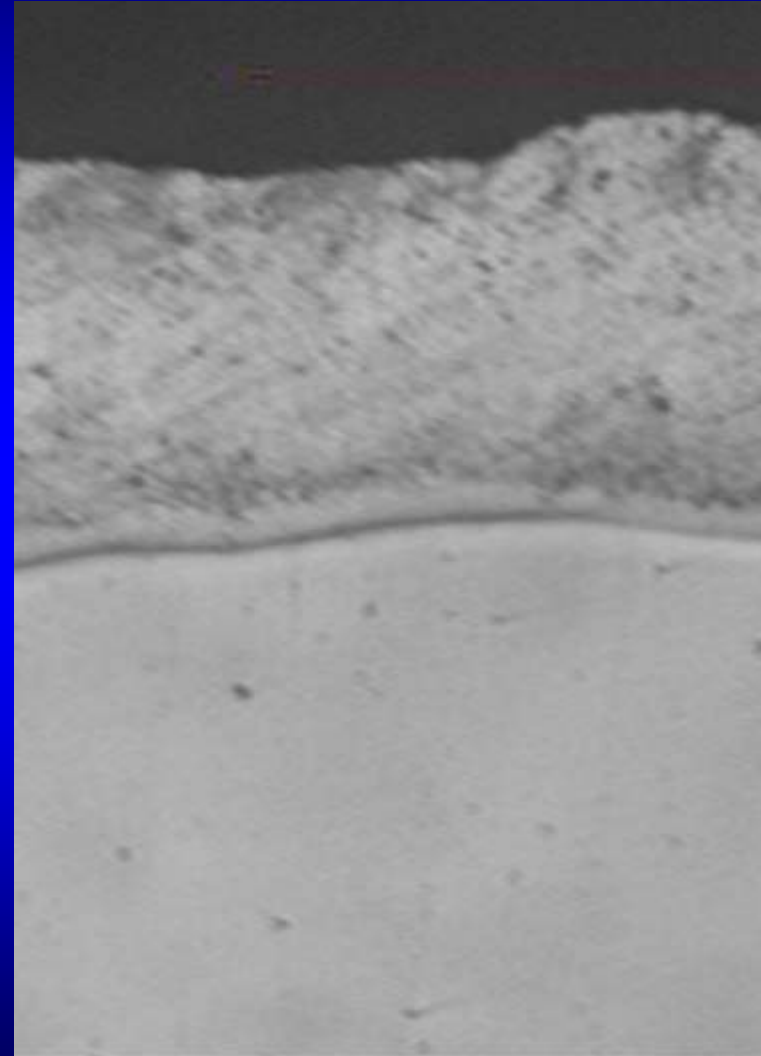
Alambre galvanizado MHD



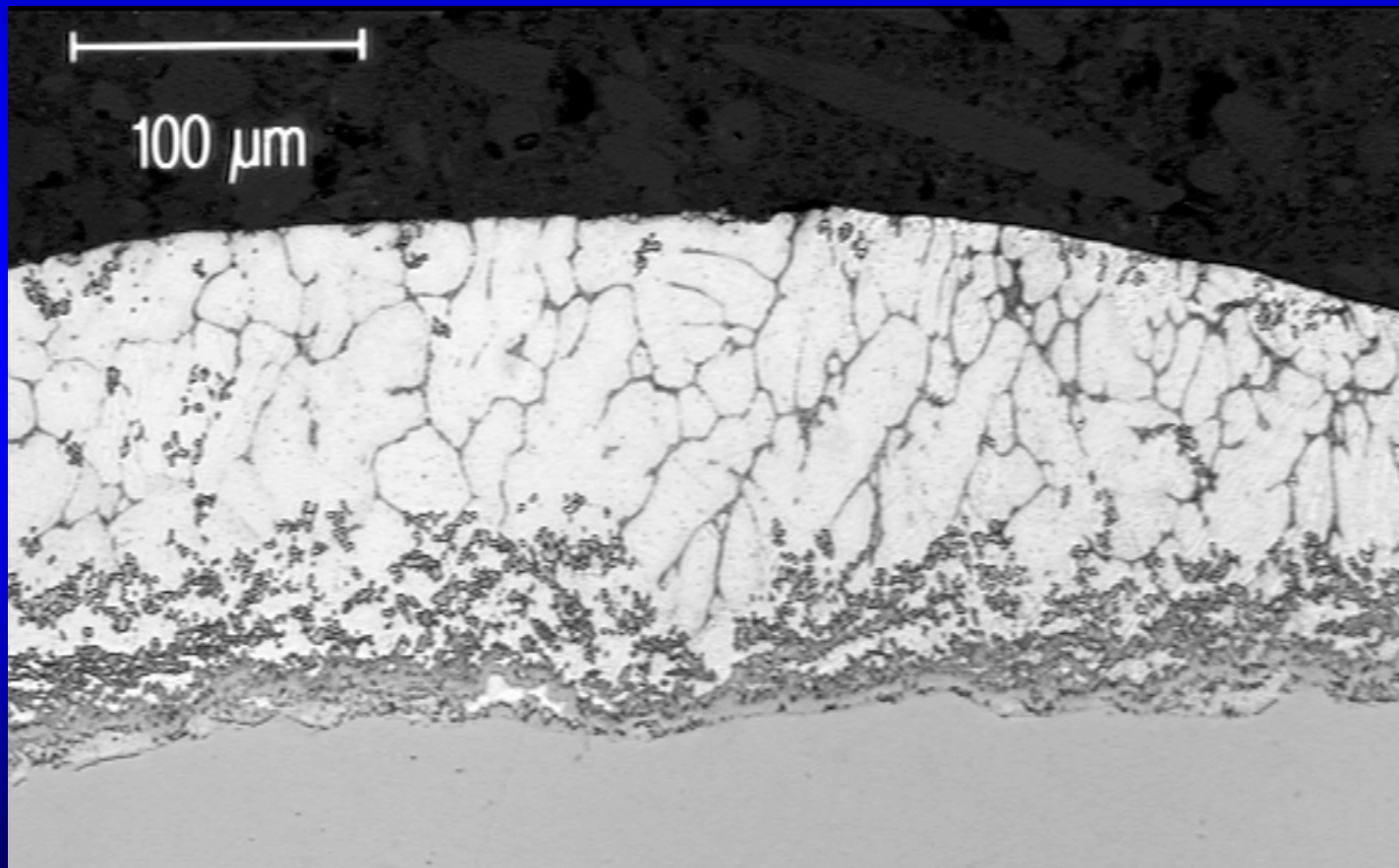
Clásico



MHD



MHD Galfan_R

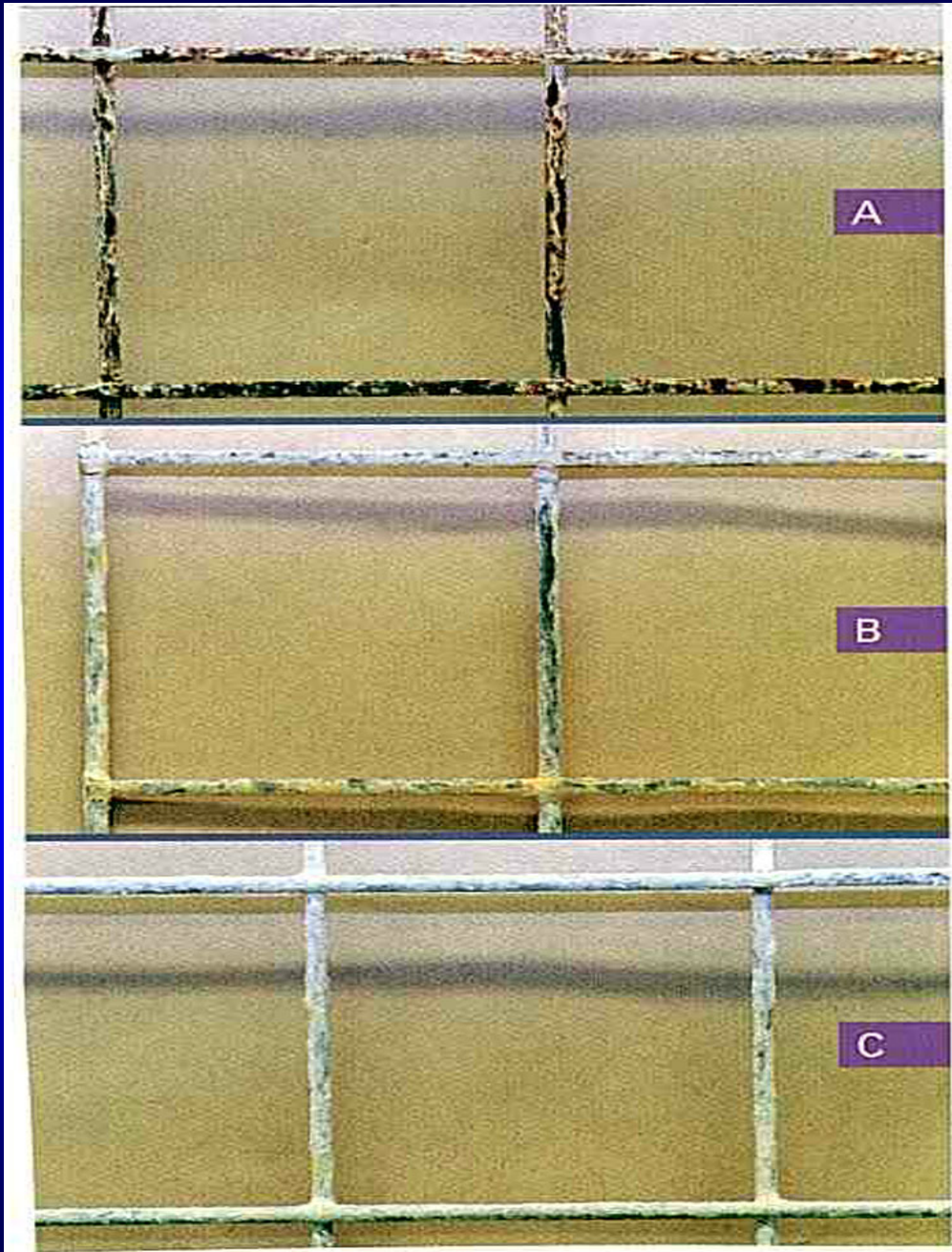


Cámara salina

| A. Zinc clásico
120 horas

| B. MHD Zinc
120 horas

| C. MHD Galfan
216 horas



Tecnología superior de galvanización

- *Horno de inducción eficiente energéticamente*
- *No contaminante, no ácido, no flux*
- *Un solo operario para la línea.*
- *Igual: bajo costo.*



SunWyre Technology

www.sunwyre.com

