

SURFACE AND HEAT TREATMENT OF METALS

Select, control and characterise heat and thermochemical treatment processes



Your expectations

With a view to improving product performance or reducing production costs while sticking to customer specifications, you would like to:

- determine the best heat or thermochemical treatment processes
- optimise your manufacturing parameters
- study the investment of a treatment line
- maintain or develop your skills
- characterise your products

Our solutions

Cetim offers its skills and test resources to support you in your optimisation approach

Assistance in the selection of a treatment: quenching / tempering, surface hardening

Optimised diffusion treatment of non-metallic components

Case hardening (C), Nitriding (N), Carbonitriding (C and N)

Sulfonitrocarburizing (S, N and C), Oxynitrocarburizing (O, N and C)

Boriding (B)

Optimised diffusion treatment of metallic components

Chromizing (Cr), Aluminizing (Al), Chrome-aluminizing (Cr and Al), Manganese diffusion coating (Mn)

Qualification of the selected treatments

Auditing of your industrial treatment lines

Training of your operators

Your benefits

Recognised and independent expertise in the field of heat and thermochemical treatments

Customised support in optimising your processes

Access to efficient test, characterisation and simulation resources

Access to the multidisciplinary skills of metallurgical teams to optimise your products and processes



Question and Answer Service
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