



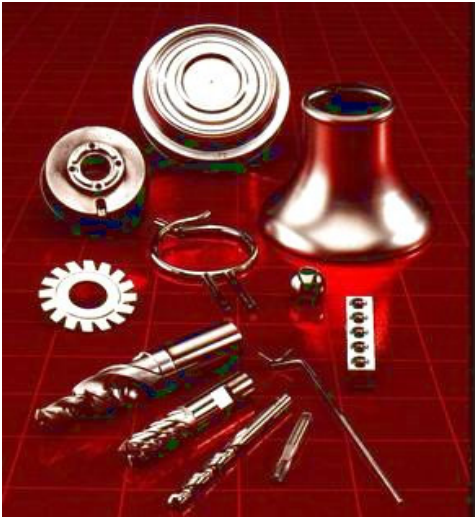
CERTESS[®] N

Hard and tribological coating
implemented by CAM technology.

<u>Composition :</u>	Chromium- Nitrogen based coating
<u>Structure :</u>	CCF, dense, nano-scaled grains
<u>Temperature resistance:</u>	Up to 700°C depending on test protocol.
<u>Hardness :</u>	1800 HV .
<u>Process Temperature :</u>	150 to 350°C, according to the substrate material.
<u>Thickness :</u>	typically 1 to 5 µm according to application.

Typical applications :

- Mechanical parts for abrasive wear resistance,
- Plastic and rubber moulds for adhesion and wear problems,
- Automotive components



Acceptable materials to be coated :

- Metals and alloys with no or small content of Zn, Mg, Pb...
- Carbides, plain or brazed on steel part,
- Allowing a process temperature : minimum 150°C.

Other characteristics :

- Coating on finished part, no significant dimension variation,
- Excellent chemical inertia.
- Excellent solution to replace hard Chrome plating
- Avoiding Cr VI (exavalent)