



## SERVICES

## TARGET BONDING

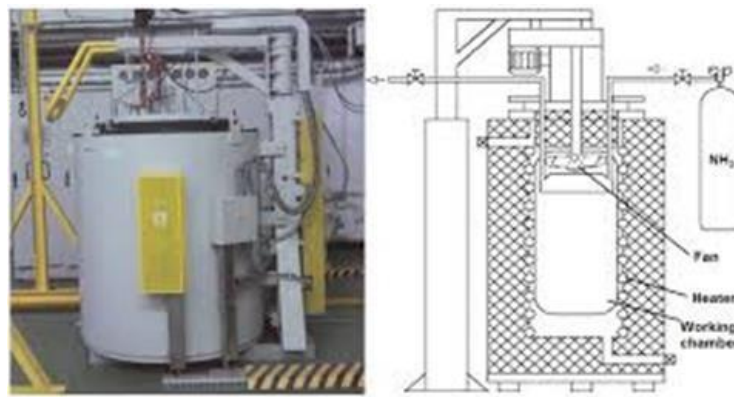
Codex International offers an Indium, Elastomer or Nanofoil bonding service according to your wishes or technical constraints.

Codex International's mounting department is ISO 9001 certified and includes UHV certified mounting, debrazing, cleaning, and packaging. See Backing plates section for the supply, cleaning and reconditioning of used backing plates and, the manufacture of new backing



## NITRIDING


Our LPCVD wafer Si<sub>3</sub>N<sub>4</sub> Nituration service allows, among other things, to obtain high chemical resistance to acids, salts, molten metals, high resistivity and resistance to oxidation up to 1500 ° C.





## COMPLIANCE CERTIFICATE

All our materials are analyzed before delivery by Inductively Coupled Plasma spectrometry and are accompanied by their certificate of analysis and traceability.



**Certificat d'analyse et de conformité**  
N° SF060171-E27038

Client : Client XXXX
XXXXXXXXXXXXXXXXXXXX
Description : XXXXX
Date de Livraison : 09/09/2019
Plan client : XXXX
Composition : NiCr16C20W4
XXXXXXXXXXXX
Dimensions : 100 mmx10x3-8
XXXXXXXXXXXX
Lot# ID-Code : 548 2144

ELEMENT TRACE - ANALYSE GDMS						
Éléments	Al	As	Co	Fe	Cu	Mg
Concentration (PPM)	<5	<5	<5	27	13	0
Éléments	Mn	Mo	DB	Pb	Zr	Ta
Concentration (PPM)	<5	<5	<5	<5	<5	<5
Éléments	Zn	Zr	W	Sb	Cd	Bi
Concentration (PPM)	<5	<5	<5	<5	<5	<5
Éléments	Hf	V				
Concentration (PPM)	<5	<5	<5			

Densité (Métal base) : NiCr 99.99%, Densité 8.52g/cm<sup>3</sup>

	Date	Vica
Agencé de laboratoire	09-09-2019	NR
Direction technique	09-09-2019	JG

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## PRECIOUS METAL RECYCLING

Our precious metals recycling/refining service is efficient, transparent and environmentally friendly.

The ISO 9001 certified industrial process includes 7 phases from collection to delivery. The recycled precious metal service is available for: Au, Pt, Pd, Ag, Ir, Ru, Rh, alloys partially or totally containing these materials

Our flexible service offers 3 possible destinations for recycled materials from used material and scrap :

- Manufacture of new forms for vacuum evaporation (wire, pellets, bars, etc.) or sputtering (targets),
- Credit to your material account for future use,
- Monetization.

### DOOR-TO-DOOR services : an innovation from CODEX INTERNATIONAL

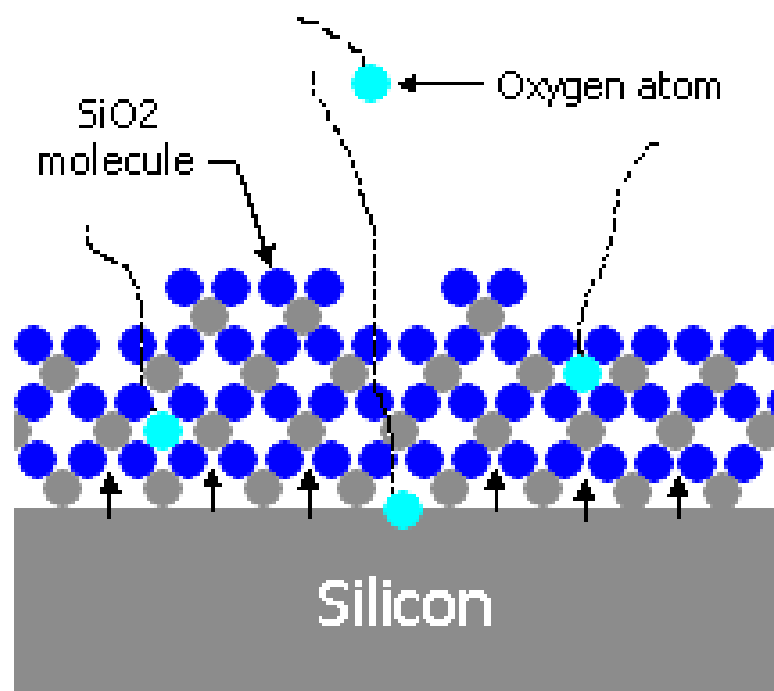
From 300g of material (used or new targets or scrap) per rotation for Au, Pd and 500g for Pt, Codex International offers to its customers a reliable, secure and seamless **door to door services**. The used material is collected from your premises by one of our employees and new products is delivered in person at you laboratory or premises.

This service **saves our customers the stress** of sending valuable materials by courier or express carrier and **makes the exchange completely secure**.



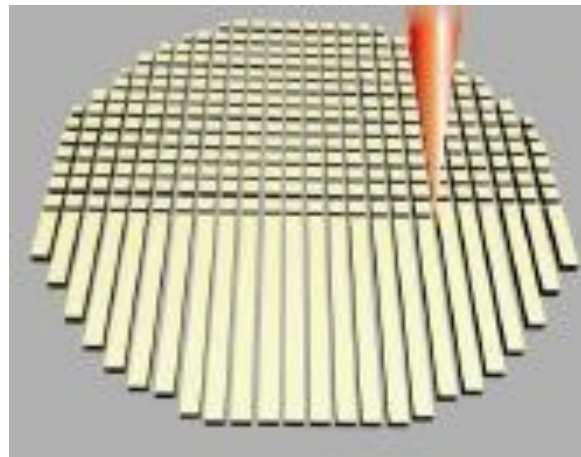
## THERMAL OXIDATION

Codex International proposes thermal oxidation service for Si wafers by dry or wet process allowing the growth of a dense and uniform oxide layer of high dielectric strength and thickness from a few nanometers to 50 microns.



## WAFERS DICING

Several Dicing techniques are available to adapt to your needs and dimensions of dice: dicing by diamond, laser dicing for wafers diameters from 50 mm to 300 mm can be cut to your dimensions (examples: 5 x 5mm, 10x10mm, 10x5mm ...).



## ON DEMANDE DEPOSITION

Codex International offers its customers the ability to metallize their Si wafers (single or multilayers).

A range of metals (precious metals, pure metals, alloys, oxides, refractory materials, silicides) can be deposited according to various processes (evaporation by PVD, Sputtering, ALD, Electron gun, LPCVD and PECVD) according to the technical expectations from Dia. 150 to 1400 mm.

Codex International offers only a wide spectrum of characterization : transmission, thickness, reflection, adherence.

