



NC TECHNOLOGIES
Innovative Elemental μ -Analysis



CATALOGO | CATALOG

ARTICOLI **CONSUMABILI**
CONSUMABLES & ACCESSORIES

2018



NC TECHNOLOGIES

Inno vative Elemental μ -Ana lysis

La missione di **NC Technologies** consiste nella ricerca integrata di procedure analitiche avanzate per l'Analisi Elementare Organica, applicata ai processi energetici, ambientali ed industriali. **NC Technologies** sviluppa nuove tecnologie per l'abbattimento dei microinquinanti nell'aria e derivanti dall'impatto energetico. La sfida di **NC Technologies** è la ricerca di soluzioni che contribuiscano a migliorare la sostenibilità ambientale, economica e sociale.

NC Technologies main target is the integrated research and development on advanced analytical procedures for the Organic Elemental Analysis applied to energy recovery, environmental and industrial processes. **NC Technologies** develops new technologies for the abatement of micropollutants in air and from energy sources. Our challenge is the search for solutions which contribute and improve environmental, economical and social sustainability.

ARTICOLI CONSUMABILI CONSUMABLES & ACCESSORIES 2018



INDICE:

INTRODUCTION / INTRODUZIONE	PAG.1
SOLUTIONS / SOLUZIONI	PAG.2
ACCESSORIES FOR INSTRUMENTS / ACCESSORI PER STRUMENTI	PAG.3
COMBUSTION AND REDUCTION TUBES / REATTORI PER RIDUZIONE E COMBUSTIONE	PAG.4
TRAPS FOR GAS ABSORPTION / TRAPPOLE PER L'ASSORBIMENTO DEI GAS	PAG.5
CHROMATOGRAPHIC COLUMNS / COLONNE CROMATOGRAFICHE	PAG.6
CATALYSTS / CATALIZZATORI	PAG.7
HIGH PERFORMANCE COPPER CATALYSTS / RAME RIDOTTO ALTAMENTE PERFORMANTE	PAG.8
CHEMICAL PRODUCTS / PRODOTTI CHIMICI	PAG.9
ORGANIC ANALYTICAL REFERENCE MATERIALS / MATERIALI ORGANICI STANDARD DI RIFERIMENTO	PAG.10
CAPSULES FOR SOLID AND LIQUID SAMPLES / CAPSULE PER CAMPIONI SOLIDI E LIQUIDI	PAG.11
INFO E CONTATTI / CONTACTS	PAG.12



SUSTAINABLE SOLUTIONS



DIVISIONE ANALYTICA / ANALYTICAL DIVISION:

La Divisione Analytica si occupa della progettazione e produzione di strumenti di Microanalisi Elementare Organica e di tutti i consumabili applicabili in essa. Inoltre, NC Technologies ha sviluppato uno strumento unico per l'analisi delle biomasse per definire l'indice respirometrico secondo le norme vigenti nazionali ed internazionali in ambito rifiuti.

La Divisione Analytica comprende tre linee di prodotti: Strumenti per Microanalisi Elementare Organica; Consumabili per Microanalisi Elementare Organica; Strumenti per Analisi Biomasse – Respirometro.

The Analytical Division is committed to the implementation and production of instruments for the Organic Elemental Analysis and its consumables. Besides, NC Technologies developed a unique instrument for measurements of the respirometric index in waste, in compliance with the current National and International Regulations for Waste Treatment analysis.

The Analytical Division covers the following three product lines: Instruments for Organic Elemental Microanalysis; Consumables for Organic Elemental Microanalysis; Instruments for Biomass analysis – Respirometric Index Measurements

DIVISIONE ECOAIR / ECOAIR DIVISION:

La Divisione ECOAIR si occupa della progettazione e costruzione di sistemi di abbattimento dei Composti Organici Volatili (SOV) nelle emissioni industriali, di sistemi di depurazione di biogas, di trattamento delle emissioni odorigene e di abbattimento delle emissioni di ozono. Lo sviluppo di catalizzatori ed adsorbenti di ultima generazione consente di ridurre i costi gestionali ed energetici

Le principali tecnologie: ADESOLV: impianti di adsorbimento e desorbimento di SOV; BIOPURIGAS: impianti di depurazione biogas; CATALCALOR: post combustori catalitici per impianti, motori e caldaie; OZONET: abbattimento catalitico dell'ozono.

NC Technologies ECOAIR Division deals with the design and realization of Volatile Organic Compounds (VOC) abatement systems from industrial polluted air, for biogas purification and systems for odour and ozone abatement. The latest generation catalysts and adsorbent materials being used allow to reduce management and energetic costs. **Our main technologies are:** ADESOLV: adsorption desorption plants for VOC abatement; BIOPURIGAS: technology for biogas purification plants; CATALCALOR: catalytic voc cleaning plants for post combustors, OZONET: ozone abatement systems.

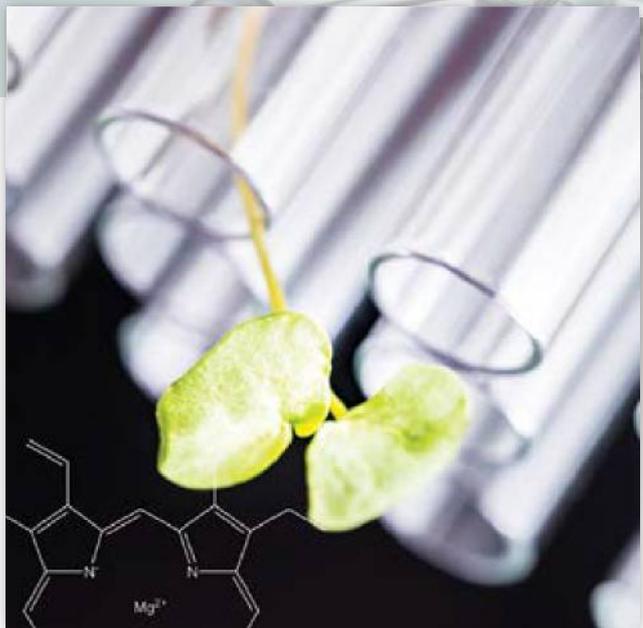


NC Technologies propone una vasta gamma di accessori che rendono più semplici e veloci le operazioni di preparazione del campione e di gestione dell'analisi. Di particolare interesse la linea dedicata ai reattori a partire da 26mm che comprende anche lo strumento per la rimozione dei tubi di quarzo, l'estrattore degli inserti per la rimozione delle ceneri e lo speciale connettore per la tenuta del reattore.

NC Technologies offers a wide range of accessories aimed at an easier and quicker sample preparation and analysis. Particularly interesting is the line dedicated to 26mm reactors including the tool for removing quartz tubes, the insert extractor for ashes removal and the special wrench for reactor locknut.

NCT Code	DESCRIPTION
80001	Nuts M, 6 x 0.75 (10 pcs)
80002	Ferrules for 2 mm tubing (10 pcs)
80005	Spatula for liquid and solid samples (1 pc)
80006	Tweezers (1 pc)
80007	Sample preparation plate (1 pc)
80013	Blanking nut M, 6 x 0.75 (10 pcs)
80011	SS tubing, 2 x 1 mm, 3 m
80012	Polyethylene tubing, 5 x 3 mm, 5 m
80014	Connector M, 6 x 0.75 for polyethylene tubing, 5 x 3 mm + nut (2 pcs)
80022	Cap for air line and vents (2 pcs)
80028	Bubble flow meter (1 pc)
84005	Ash crucible extractor (1 pc)
84007	Wrench for opening nut for 26 mm tube (1 pc)
84010	Reactor tube extractor (1 pc)
80055	Spatula for solid samples (1 pc)
80056	Compressed air tube, (diam. 4.3 m)





NC Technologies realizza una linea completa di reattori di quarzo e inserti per la rimozione delle ceneri. In base all'ambito di applicazione, si possono scegliere reattori da 18mm o da 26mm vuoti o pre-impaccati utilizzando catalizzatori differenti in base alle esigenze analitiche dell'operatore. Tutti i catalizzatori utilizzati sono prodotti e testati nei nostri laboratori.

A complete series of quartz reactors and inserts for ashes removal is offered: 18mm or 26mm reactors – either prepacked or empty – as required by the application can be selected. The different types of catalysts to be used are manufactured and tested at our labs.

NCT Code	DESCRIPTION
61104	Transparent quartz tube, 18 x 45 mm (2 pieces)
61118	Transparent quartz inserts with slots 12 x 215 mm (1 pieces)
61106	Seals for top and bottom of quartz tubes, 18/20 mm (10 pieces)
61111	Pre-packed reactor for CNS/CHNS determination (filled with Cu-WO ₃ /Al ₂ O ₃)
61110	Pre-packed reactor for CNS/CHNS determination (filled with Cu ele-WO ₃ /Al ₂ O ₃)
61112	Pre-packed reactor for CHN determination (filled with Cr ₂ O ₃ -Ag/Co ₃ O ₄)
61113	Pre-packed reactor for CHN determination (filled with Cr ₂ O ₃ -Cu-Ag/Co ₃ O ₄)
61115	Pre-packed reactor for CHN determination (filled with Cr ₂ O ₃ -Cu)
61116	Seal for top of quartz tube 26 mm (6 pieces)
61117	Pre-packed reactor for CNS/CHNS determination (filled with CuO/Cu)
61114	Pre-packed reactor for O determination (filled with Ni/C wool)
61133	Pre-packed reactor for O determination, 26 mm (filled with Ni/C wool)
61132	Pre-packed reactor for CHNS determination, 26 mm (filled with Cured-WO ₃)
61134	Pre-packed reactor for C determination, 26 mm filled with Cr ₂ O ₃ -Cu-Ag/Co ₃ O ₄)
61123	Transparent quartz tube for big samples, ø 26/18 mm (1 piece)
61140	Seals for bottom of quartz tube 26 mm (4 pieces)
61150	Alumina insert for Ash removal (1 piece)
65030	Transparent quartz insert for 26 mm tube (1 piece)
61128	Transparent quartz tube, 26 x 45 mm (1 piece)
61129	Pre-packed reactor dia. 26 mm, (1 piece), filled with HT-LT catalyst



TRAPS FOR GAS ABSORPTION TRAPPOLE PER L'ASSORBIMENTO DEI GAS

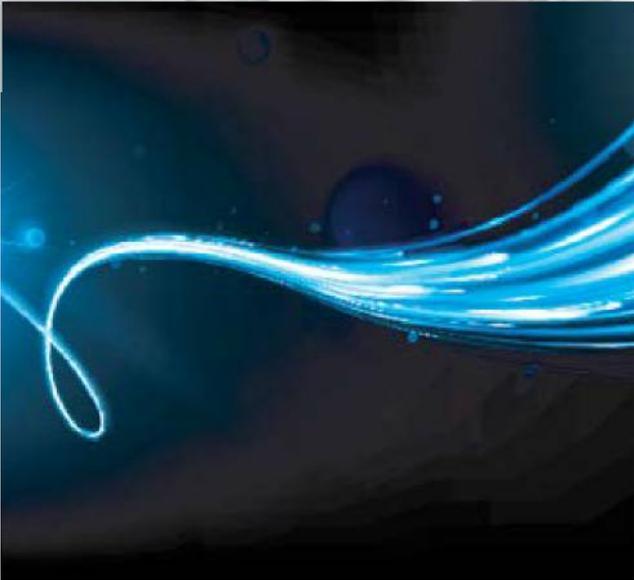


Forniamo differenti tipologie di trappole adibite al trattamento dell'acqua, e dell'anidride carbonica prodotta durante la fase di combustione. In base alla tipologia di analisi, il cliente potrà sceglierne le dimensioni e il materiale adsorbente di riempimento. Si veda pagina 9 del presente catalogo.

Different types of traps available, suitable to retain water and carbon dioxide which result from combustion. Basing on the type of analysis to be carried out, the user can choose trap dimensions and the adsorbent filler – as shown on page 9 of this catalog.

NCT Code	DESCRIPTION
71120	Trap for H2O and halogen acid gases (1 piece)
71121	Trap for CO2 absorption (1 piece)
71122	Teflon faced seals for H2O and CO2 traps (2 pieces)
71123	Threaded end caps for H2O and CO2 traps (2 pieces)
71125	Silicone seals for H2O and CO2 traps (2 pieces)
71128	Brass fitting for traps (2 pieces)



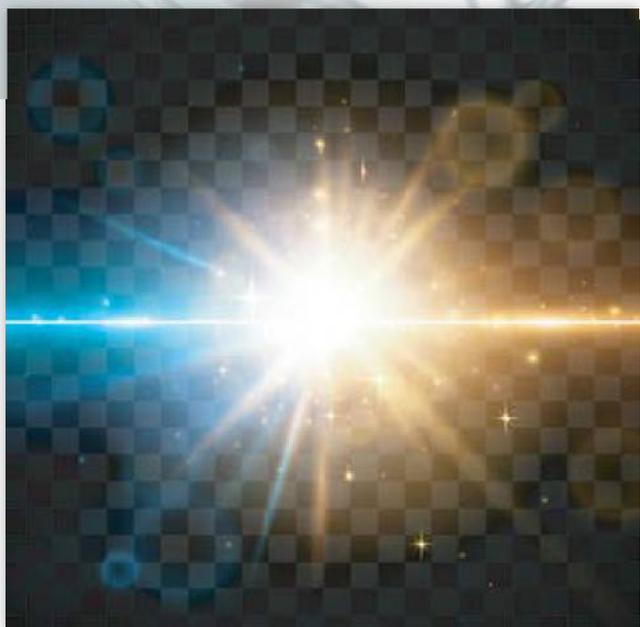


NC Technologies propone una vasta gamma di colonne Gas-Cromatografiche utilizzabili per svariate tipologie di analisi. Tali articoli vengono realizzati in diverse dimensioni di modo da garantire il massimo grado di separazione e una breve durata dell'analisi. In particolare si evidenziano le speciali colonne in Teflon che consentono l'ottimizzazione nell'analisi di tracce di zolfo.

A wide range of GC columns available to suit the widest range of analysis. They are realized into different sizes for ensuring higher separation and to reduce analysis time. The special Teflon columns allow to optimize the analysis of sulphur traces.

NCT Code	DESCRIPTION
51089	Packed column for N ₂ -CO ₂ -H ₂ O-SO ₂ separation, 1 m
51080	Packed column for N ₂ -CO ₂ -H ₂ O-SO ₂ separation, 2 m
51086	Packed column for N ₂ -CO ₂ -H ₂ O-SO ₂ separation, 3 m
51081	Packed column for N ₂ -CO ₂ -H ₂ O separation, 2 m
51082	Packed columns for N ₂ -CO ₂ separation, 3 m
51085	Packed column for EA-IRMS (stable isotope), 4 m
51083	Packed column for SO ₂ separation, 0.8 m
51087	Packed column for SO ₂ separation, 2 m
51084	Packed column for O ₂ separation, 1 m
51088	Packed column for O ₂ separation, 2 m
31200005	Packed column for Combustion module



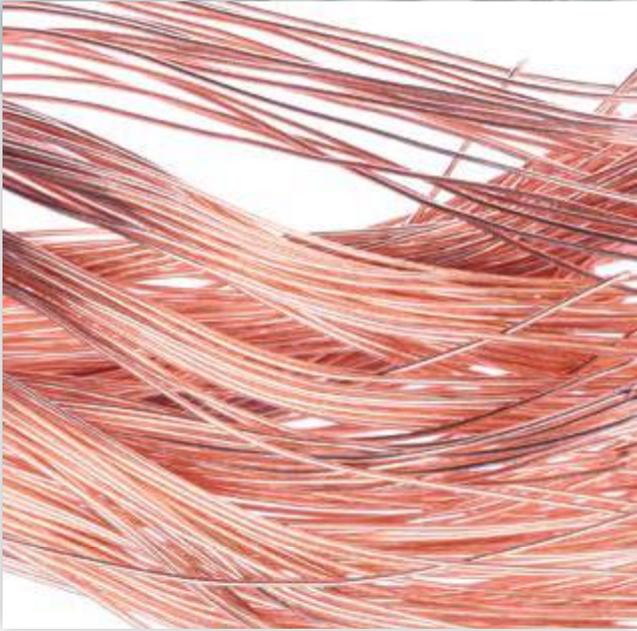


I catalizzatori proposti da NC Technologies rispettano elevatissimi standard qualitativi. Sono prodotti e testati in Italia presso i nostri laboratori. Per ogni lotto di produzione viene attribuito un numero identificativo del batch a cui è associato un certificato di analisi che ne dimostra la purezza e l'elevata efficienza.

NC Technologies catalysts are in compliance with very high quality analysis requirements. Manufactured and tested in our labs they are certified batch-by-batch for high efficiency and purity rate.

NCT Code	DESCRIPTION
11000	Chromium (III) oxide, 0.5 - 1.7 mm, 15g
11001	Chromium (III) oxide, 0.5 - 1.7 mm, 50g
11002	Cobaltous/Cobaltic Oxide 0.5-1.7mm, 25g
11007	Silvered cobaltous/cobaltic oxide, 0.5 - 1.7 mm, 25g
11008	Tungstic anhydride, 0.5 - 1.7 mm, 25 g
11009	Tungstic anhydride on alumina, 0.5 - 1.7 mm, 25 g
11016	Chromium (III) oxide on Alumina, 0.5-1.7 mm, 25 g
11039	Niobium pentoxide for S analysis, 25 g
21027	Vanadium Pentoxide, 5 g
11032	Oxidation Catalyst for CHN Analysis, 40g
11046	Nickelized carbon wool catalyst, 43%, 5 g
11040	Nickelized carbon wool catalyst, 3 g
11056	HT catalyst, 35g
11055	LT catalyst, 15g



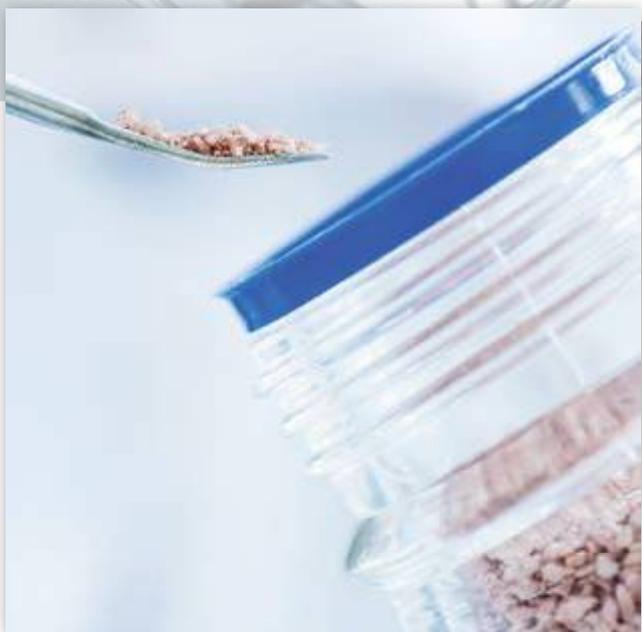


NC Technologies produce un catalizzatore di rame altamente performante realizzato in diversi formati al fine di poter coprire tutti i campi di applicazione. L'elevata capacità adsorbente, l'efficienza e la purezza sono garantiti.

High performing copper catalysts are realized by N C Technologies. Prepared into different sizes to answer the widest fields of applications. High adsorbing properties, excellent purity and efficiency degree are their main keypoints.

NCT Code	DESCRIPTION
11045	Copper reduced wires, \varnothing 0.3, 100 g
11030	Copper reduced wires, \varnothing 0.3, 250 g
11026	Copper reduced wires, \varnothing 0.5, 50 g (ampoule)
11022	Copper reduced wires, \varnothing 0.5, 100 g
11035	Copper reduced wires, \varnothing 0.5, 250 g
11042	Copper reduced wires, \varnothing 0.5, 200 g
11004	Copper reduced wires, \varnothing 0.7 (ampoule), 50 g
11014	Copper reduced wires, \varnothing 0.7, 100 g
11012	Copper reduced wires, \varnothing 0.7, 150 g
11013	Copper reduced wires, \varnothing 0.7, 200 g
11029	Copper reduced wires, \varnothing 0.7, 250 g
11005	Copper reduced wires, for Sulfur determination, \varnothing 0.8 (ampoule), 50 g
11017	Copper reduced wires, for Sulfur determination, \varnothing 0.8, 100 g
11031	Copper reduced chips, 100 g
11033	Copper reduced chips (12-80 mesh), 250 g
11043	Copper reduced chips (12-80 mesh), 450 g
11023	Copper oxide wires, \varnothing 0.5, 100 g
11034	Copper oxide wires, \varnothing 0.5, 250 g
11003	Copper oxide wires, \varnothing 0.7, 50 g
11020	Copper oxide wires, \varnothing 0.7, 100 g





Di seguito si riportano una serie di prodotti chimici utilizzabili dal cliente in base alle proprie necessità, tra cui materiali adsorbenti per acqua o anidride carbonica e lana di quarzo per impaccare le trappole ed i reattori. Si evidenzia il Chromosorb W, il quale permette di facilitare l'analisi di un campione liquido maneggiandolo come se fosse un solido.

In this page are listed chemicals to be used according to customer's needs. They include water and/or carbon dioxide adsorbents and quartz wool for packing traps and reactors. Note is given to Chromosorb W – which makes liquid sample analysis easier, by handling it as solid sample.

NCT Code	DESCRIPTION
21020	Carbon dioxide adsorbent, 100 g
21022	Magnesium perchlorate, 100 g
21023	Molecular sieves 3A, 1/16", 100 g
21024	Nickel wool, 2 g
21030	Soda lime, 100 g
21037	Soda lime, 200 g
21032	Silver wool, 2 g
21026	Quartz wool, 5 g
21035	Quartz wool, 10 g
21036	Quartz wool, 20 g
21025	Quartz turnings, 100 g
21018	Chromosorb W, 10 g





Per avere una buona calibrazione dell'analisi, è necessario utilizzare standard ad elevata purezza. NC Technologies fornisce una gamma completa di standard di altissima qualità utilizzabili per tale scopo contrassegnati dal relativo certificato di analisi.

High purity reference materials play a key role in calibration for a good analysis. NC Technologies offers a full range of high quality reference materials supplied with analysis certificate.

NCT Code	DESCRIPTION
31040	Acetanilide, 2 g
31041	Anthracene, 2 g
31042	Atropine, 2 g
31043	Benzoic Acid, 2 g
31045	1-Cl-2,4-dinitrobenzene, 2 g
31046	Sulphanilamide, 2 g
31047	Methionine, 10 g
31048	BBOT, 2 g
31049	Atropine Sulphate, 2 g



CAPSULES FOR SOLID AND LIQUID SAMPLES

CAPSULE PER CAMPIONI SOLIDI E LIQUIDI

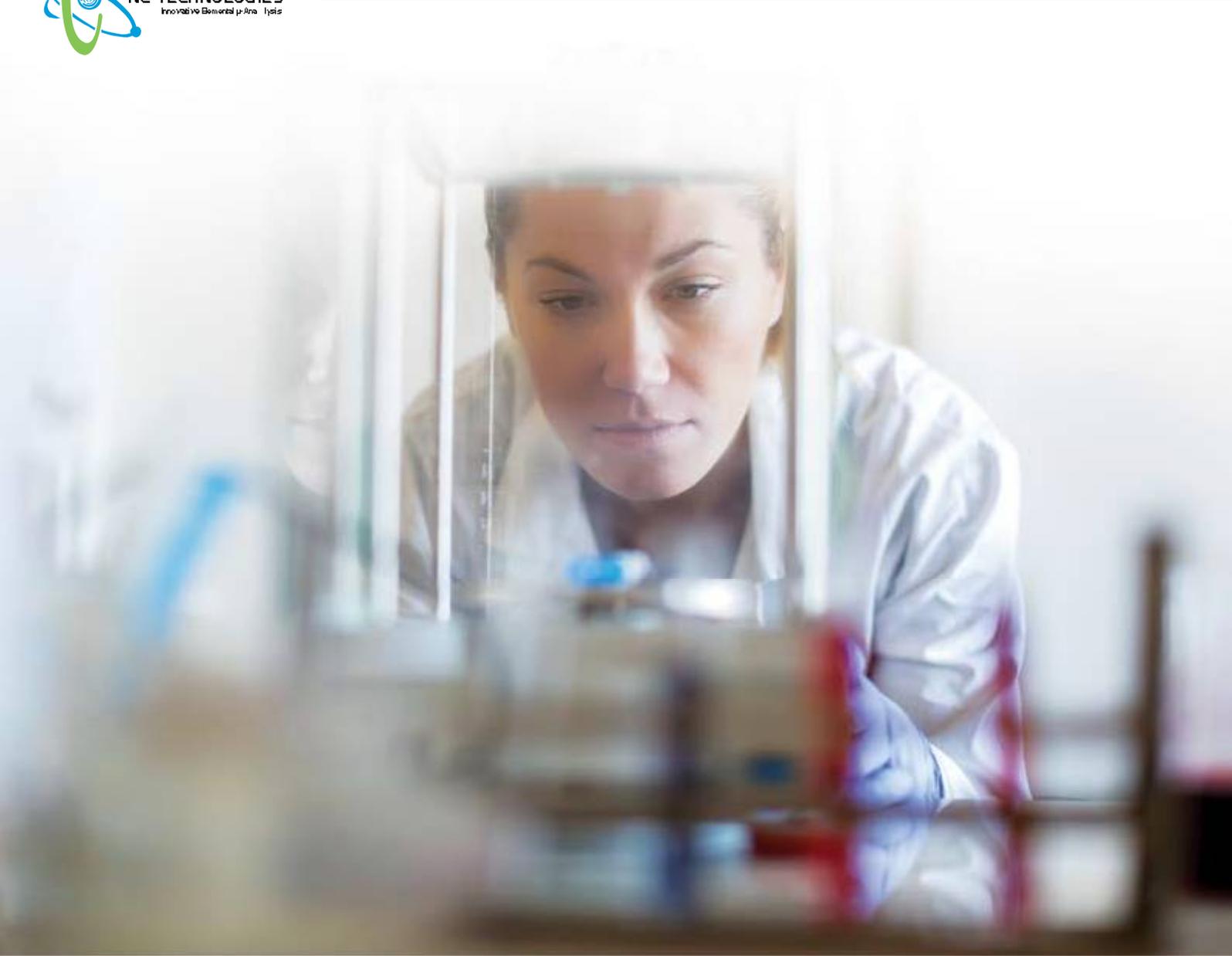


In base al campo di applicazione ed alla tipologia di campione da analizzare, vengono proposte diverse tipologie di capsule. Queste ultime possono variare in base al materiale, alla forma e alle dimensioni. Le capsule proposte da NC Technologies hanno un elevato grado di purezza e non presentano bianchi dovuti a residui di lavorazione.

A wide range of capsules available according to the type of samples to be analysed and to the specific application – varying in material, size and shape. Capsules have an excellent purity degree and no defects.

NCT Code	DESCRIPTION
41060	Tin capsules for solid samples, pressed, 3.5 x 5 mm (100 pieces)
41074	Tin capsules for solid samples, pressed, 3.5 x 5 mm (250 pieces)
41061	Tin capsules for solid samples, pressed, 5 x 9 mm (100 pieces)
41077	Tin capsules for solid samples, pressed, 5 x 9 mm (250 pieces)
41080	Tin capsules for solid samples, pressed, 4 x 6 mm (100 pieces)
41070	Tin capsules for solid samples, pressed, 4 x 6 mm (250 pieces)
41073	Tin capsules for solid samples, pressed, 9 x 10 mm, (75 pieces)
41071	Tin foil Cups for solid samples, pressed (100 pieces)
41064	Tin capsules for liquid samples, capillary, 1 x 5.5 mm (50 pieces)
41079	Tin capsules for liquid samples, smooth, 2 x 5 mm (50 pieces)
41063	Tin capsules for liquid samples, smooth, 2 x 5 mm (100 pieces)
41062	Tin capsules for liquid samples, smooth, 2.9 x 6 mm (100 pieces)
41065	Tin capsules for liquid samples, smooth, 3.5 x 9 mm (50 pieces)
41066	Silver capsules for solid samples, pressed, 3.5 x 5 mm (100 pieces)
41067	Silver capsules for solid samples, pressed, 5 x 9 mm (100 pieces)
41081	Silver capsules for solid samples, pressed, 4 x 6 mm (100 pieces)
41072	Silver capsules for solid samples, pressed, 4 x 6 mm (250 pieces)
41078	Silver capsules for liquid samples, smooth, 3.5 x 9 mm (250 pieces)
41075	Silver capsules for liquid samples, smooth, 2 x 5 mm (50 pieces)
41076	Silver capsules for liquid samples, smooth, 3.5 x 5.5 mm (250 pieces)
41082	Silver capsules for solid samples, pressed, 3.2 x 4 mm (250 pieces)





SEDE LEGALE

Via Grosio 10/10 - 2015 - Milano

SEDE OPERATIVA E AMMINISTRATIVA

Via Milano 15/A - 20060; Bussero (MI)



CONTATTI

Area Commerciale

commerciale@nctechnologies.it

Assistenza Tecnica

customerservice@nctechnologies.it



TEL.

+ 39 02 950 34 69



INFO

info@nctechnologies.it - www.nctechnologies.it



NC TECHNOLOGIES
Innovative Elemental μ -Analysis

NC TECHNOLOGIES SRL



Via Milano, 15/A - 20060 Bussero (MI), Italy



Phone: +39 02 950 34 69



www.nctechnologies.it