

# HYGIENE LINE

Dal Cin | Hygiene line catalog





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# 1949

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**Gildo Dal Cin  
creates the company.**

## 1950s

Introduction to the world of oenology of the **application of bentonite** (Superbenton <sup>TM</sup>), of which a large-scale production was carried out for the first time. At the same time, through an intuition of the founder, the use of **metatartaric acid** (Plus Anticremor DC) in the **stabilization of wines** was introduced, once again for the first time in the world. That decade also saw the birth of the famous **anti-flor floating discs** (Flor-Stop<sup>TM</sup>).

## 1960s

Research and start-up of the **production of innovative filter materials** for solid-liquid separation.



1949, Dal Cin's first headquarters in Milan

## 1970s

Research and start-up of the **production of plant protection products** with low environmental impact.

## 1980s and 1990s

The company, among the first in the world, engages in **research and production of biotechnology**, focusing mainly on the selection of **specific yeast strains** and **yeast derivative nutrients** (Lisem<sup>TM</sup> line).

In parallel, the revolutionary **pre-dispersion technology of filter materials** for the solid-liquid separation based on natural cellulosic fibres (Predisperso<sup>TM</sup> line) is developed.



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## 2004

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Birth of the first Dal Cin range for elevage based on **yeast derivatives and tannins** (**Harmony™** line).

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## 2006

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Following the regularisation of **vegetable proteins for fining**, Dal Cin introduced its first solutions to the market (**Phytokoll™** line), on which was working for some time.

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## 2009

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Birth of the **innovative miniTubes™ production technology**, resulting in the development of the first **granular and non-dusty** carbon (Grandecò) and PVPP (DC POL G) in the oenological world.

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## 2013

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Introduction on the market of the first solutions to achieve **fining and organoleptic enhancement in a single step** (**Mosaico** line), with miniTubes™ technology.

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## 2014

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Development of the first **granular yeast nutrients** in the oenological world (wynTube line), with miniTubes™ technology.

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## 2015 – 2025

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In collaboration with universities and research institutes, the company undertakes numerous works, each of which adds a piece to the main topic, the **Longevity of wines:**

**“Light-struck taste”** (Kolirex™ Go Fresh and Redox Longevity), **“Removal of phytosanitary products”** (Fito-Stop), **“Colloidal stability of red wines”** (Absolute Gold and Fender Color), **“Management of O<sub>2</sub>”** (Harmony™ Vitality), **“Pinking”** (Metaless and Phytokoll™ Vip).

**And much more awaits us...**





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# Hygiene line

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**Excellence in every bottle  
begins with uncompromising  
winery hygiene.**

The Dal Cin hygiene line was developed to provide solutions that are formulated and manufactured in-house, specifically designed to ensure maximum microbiological control throughout every stage of the winemaking process.

The result is a more stable, efficient, and sustainable production process, where hygiene is no longer just a routine practice, but a true enological tool.

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|                                                                                     |                                                                                                 | REMOVAL OF COARSE DEPOSITS                                                      | REMOVAL OF DIRT, COLOUR AND MICROFLORA                | MICROFLORA REMOVAL                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------|
|    | <b>CARTS, CARGO BEDS, CLOTHS, BOXES</b><br>Plant residues, juice, microflora                    | Daily:<br>WATER<br>SKIUNÒ SAN                                                   | Every other day:<br>DICISAN SPECIAL                   | Before and after the harvest:<br>VKS |
|    | <b>GRAPE RECEIVING</b><br>Plant residues, juice, microflora, colour                             | Daily:<br>WATER<br>SKIUNÒ SAN                                                   | Every 3 days:<br>DICISAN SPECIAL                      | Before and after the harvest:<br>VKS |
|    | <b>PRESSES, DESTEMMERS</b><br>Plant residues, juice, microflora, colour                         | Daily:<br>WATER<br>SKIUNÒ SAN                                                   | Every other day:<br>DICISAN SPECIAL                   | Weekly:<br>VKS                       |
|   | <b>PUMPS AND HOSES</b><br>Plant residues, must, wine, lees, microflora, colour                  | Daily:<br>hot H <sub>2</sub> O flux<br>(not reusable)                           | Every other day:<br>DICISAN SPECIAL                   | Weekly:<br>VKS                       |
|  | <b>ROTARY DRUM FILTERS</b><br>Perlite residues, diato-maceous earth, plant residues, microflora | Daily:<br>hot H <sub>2</sub> O with low pressure washer                         | Every 3 days:<br>DICISAN SPECIAL                      | When needed:<br>BIOXAN               |
|  | <b>STEEL TANKS</b><br>Tartrates, colour, yeasts, bacteria                                       | At every racking and to remove tartrates:<br>SGROMMATORE or SGROMMATORE Liquido | At filling:<br>(after long period)<br>DICISAN SPECIAL | When needed:<br>VKS                  |
|  | <b>CONCRETE AND FIBREGLASS TANKS</b><br>Tartrates, colour, yeasts, bacteria                     | At every racking and to remove tartrates:<br>SGROMMATORE or SGROMMATORE Liquido | DICISAN SPECIAL                                       | When needed:<br>VKS                  |
|  | <b>WOOD TANKS</b><br>Tartrates, colour, yeast, bacteria                                         | SGROMMATORE or SGROMMATORE Liquido                                              |                                                       | DC/QUATTRO or VKS                    |
|  | <b>PLATE FILTERS</b><br>Dirt, colour, odours                                                    |                                                                                 | In recirculation:<br>DICISAN SPECIAL                  | BIOXAN                               |

|                                                                                     |                                                                                                                 | REMOVAL OF COARSE DEPOSITS                                                                    | REMOVAL OF DIRT, COLOUR AND MICROFLORA                         | MICROFLORA REMOVAL                                                                              |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|    | <b>EXCHANGERS</b><br>Calcareous deposits, organic deposits, colour                                              | <b>SGROMMATORE or SGROMMATORE Liquido</b>                                                     | <b>FOSFACID</b>                                                | <b>VKS</b>                                                                                      |
|    | <b>KEGS</b><br>Organic deposits, colour                                                                         | At every use:<br><b>DETERKEG</b>                                                              | <b>DICISAN SPECIAL</b>                                         |                                                                                                 |
|    | <b>BOTTLE WASHING</b><br>Dirt, label removal                                                                    | Deterision:<br><b>DETERGLASS</b><br>Neutralization:<br><b>FOSFACID</b>                        |                                                                |                                                                                                 |
|   | <b>CONVEYOR BELTS</b><br>Lubrication, removal of wine residues and sludge                                       | During operation:<br><b>SCIOLIN</b>                                                           | <b>VELOSAN</b>                                                 |                                                                                                 |
|  | <b>FILLER</b><br>Wine residues and microflora from previous bottlings                                           | Every day and for each different product:<br><b>SGROMMATORE Liquido</b>                       | <b>DICISAN SPECIAL</b>                                         | Every day and for each different product:<br><b>BIOXAN or VKS</b>                               |
|  | <b>FILTRATION LINE</b><br>Organic clogging residues and microflora                                              | <b>SGROMMATORE</b><br>For filter cartridges refer to the indications provided by the supplier |                                                                | <b>BIOXAN or VKS</b><br>For filter cartridges refer to the indications provided by the supplier |
|  | <b>REMOVABLE FITTINGS AND ACCESSORIES (IN CONTACT WITH THE WINE)</b><br>Organic residues, tartrate film, colour | <b>SGROMMATORE or SGROMMATORE Liquido</b>                                                     | <b>DICISAN SPECIAL or FOSFACID</b><br>(if you need to descale) | <b>DC/QUATTRO or VKS</b>                                                                        |
|  | <b>FLOORING</b><br>Dirt, colour, forklift lines                                                                 | Daily:<br><b>CLEANFLOOR</b>                                                                   |                                                                | Weekly:<br><b>DC/QUATTRO</b>                                                                    |
|  | <b>WALLS</b><br>Tiles, synthetic resin, concrete, stone                                                         |                                                                                               | When needed:<br><b>SPUMACID</b><br>(if you need to descale)    | <b>DC/QUATTRO</b>                                                                               |

| ALKALINE DETERGENTS                                                                                                                                                                |                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Sgrommatore DC</b>                                                                                                                                                              |                                                             |
| Alkaline detergent in flakes, surfactant, buffered and with conditioners.<br>For the removal of tartrates from tanks, barrels, systems, filter cloths.                             |                                                             |
| Dosage                                                                                                                                                                             | Packaging                                                   |
| 1-10% in water preferably at 30-40 °C.                                                                                                                                             | 1 kg, 10 kg and 25 kg bags.                                 |
| <b>Sgrommatore Liquido</b>                                                                                                                                                         |                                                             |
| Alkaline liquid detergent, surfactant and with conditioners.<br>For the removal of tartrates from tanks, barrels, systems, filter cloths.                                          |                                                             |
| Dosage                                                                                                                                                                             | Packaging                                                   |
| 3-9% in water preferably at 30-40 °C.<br>Up to 12-15% for stubborn dirt.                                                                                                           | 12 kg and 24 kg jerrycans, 220 kg drums<br>and 1300 kg IBC. |
| <b>Skiunó San</b>                                                                                                                                                                  |                                                             |
| Liquid detergent consisting of surfactants and complexing agents.<br>Useful during harvesting as a substitute for soda, for frequent use on all equipment, including press cloths. |                                                             |
| Dosage                                                                                                                                                                             | Packaging                                                   |
| 3% in water at 18-20 °C.<br>leave on for at least 10'.                                                                                                                             | 5 kg jerrycans.                                             |
| <b>Deterglass</b>                                                                                                                                                                  |                                                             |
| Descaling detergent in surfactant, buffered flakes with sequestrant agents specific for washing bottles.                                                                           |                                                             |
| Dosage                                                                                                                                                                             | Packaging                                                   |
| 0,5-3% in water at 40-60 °C.                                                                                                                                                       | 25 kg bags.                                                 |

|                                                                                                                              |                                                        |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Deterkeg</b>                                                                                                              |                                                        |
| Alkaline detergent for internal cleaning of small metal containers (kegs) for wine and beer.                                 |                                                        |
| <b>Dosage</b>                                                                                                                | <b>Packaging</b>                                       |
| 0,5–2% in water at 40–60 °C.                                                                                                 | 24 kg jerrycans.                                       |
| <b>Cleanfloor</b>                                                                                                            |                                                        |
| Liquid alkaline detergent for cleaning floors and surfaces that do not come into direct contact with the processing product. |                                                        |
| <b>Dosage</b>                                                                                                                | <b>Packaging</b>                                       |
| 0,3–0,6% in water for moderately dirty floors.                                                                               | 5 kg jerrycans.                                        |
| CHLORINE-ACTIVE DETERGENTS                                                                                                   |                                                        |
| <b>Dicisan Special</b>                                                                                                       |                                                        |
| Liquid chlorine-alkaline detergent. Removes organic residues, colour and microflora from systems, tanks and equipment.       |                                                        |
| <b>Dosage</b>                                                                                                                | <b>Packaging</b>                                       |
| 0,5–4% in water.                                                                                                             | 1 kg bottles, 10 kg and 25 kg jerrycans, 250 kg drums. |
| ACID DETERGENTS                                                                                                              |                                                        |
| <b>Fosfacid</b>                                                                                                              |                                                        |
| Liquid detergent with descaling action based on phosphoric acid, for the removal of calcium residues.                        |                                                        |
| <b>Dosage</b>                                                                                                                | <b>Packaging</b>                                       |
| 2–5% for periodic descaling.                                                                                                 | 24 kg jerrycans.                                       |

|                                                                                                                                                          |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Spumacid</b>                                                                                                                                          |                            |
| Foaming detergent, based on phosphoric acid for the removal of calcium residues from vertical surfaces.                                                  |                            |
| <b>Dosage</b>                                                                                                                                            | <b>Packaging</b>           |
| 3-5% in water and spray with a special cleaning hose.                                                                                                    | 24 kg jerrycans.           |
| NON-CHLORINATED DETERGENTS                                                                                                                               |                            |
| <b>Bioxan</b>                                                                                                                                            |                            |
| Peracetic acid-based solution with effective microflora removal action. For fermentation vessels, filtration sheet systems and rotary drum filters.      |                            |
| <b>Dosage</b>                                                                                                                                            | <b>Packaging</b>           |
| 0,2-1% in water at room T or < 40 °C.                                                                                                                    | 10 kg jerrycans.           |
| <b>DC/quattro</b>                                                                                                                                        |                            |
| Quaternary ammonium salts. It cleanses and removes microbiological contamination from floors, rooms and equipment.                                       |                            |
| <b>Dosage</b>                                                                                                                                            | <b>Packaging</b>           |
| 0,1-0,5%.                                                                                                                                                | 20 lt. jerrycans.          |
| <b>VKS</b>                                                                                                                                               |                            |
| Oxidising detergent with broad spectrum action for removing microflora. Suitable for hoppers, pumps, tanks, auto-claves, PVC and steel pipes, equipment. |                            |
| <b>Dosage</b>                                                                                                                                            | <b>Packaging</b>           |
| 0,1%-2% depending on the contact time.                                                                                                                   | 500 g jars and 5 kg drums. |

| CONVEYOR BELTS                                                                     |                  |
|------------------------------------------------------------------------------------|------------------|
| <b>Sciolin</b>                                                                     |                  |
| Conveyor belt lubricant.                                                           |                  |
| Dosage                                                                             | Packaging        |
| By immersion: 0,3% in water.<br>Drip, spray or centralised systems: 1-3% in water. | 20 kg jerrycans. |
| <b>Velosan</b>                                                                     |                  |
| Conveyor belt lubricant with microbiological contamination removal action.         |                  |
| Dosage                                                                             | Packaging        |
| By immersion: 0,3% in water.<br>Drip, spray or centralised systems: 1-3% in water. | 20 kg jerrycans. |

|                                  |                   | MATERIAL COMPATIBILITY                                                             |                     |                 |           |      |                    |        |                  |                         |
|----------------------------------|-------------------|------------------------------------------------------------------------------------|---------------------|-----------------|-----------|------|--------------------|--------|------------------|-------------------------|
|                                  |                   | STAINLESS<br>STEEL                                                                 | PLASTIC<br>MATERIAL | EPOXY<br>RESINS | ALUMINIUM | IRON | PHENOLIC<br>RESINS | RUBBER | NITRO<br>VARNISH | GALVANIZED<br>MATERIALS |
| ALKALINE DETERGENTS              | SGROMMATORE       |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | SGROMMATORE<br>L. |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | DETERKEG          |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | DETERGLASS        |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | SKIUNÒ SAN        |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | CLEANFLOOR        | Compatible with the most common floor coverings<br>of wineries and food industries |                     |                 |           |      |                    |        |                  |                         |
| CHLO-<br>RINE<br>DETER-<br>GENTS | DICISAN SPECIAL   |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
| ACID<br>DETERGENTS               | FOSFACID          |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | SPUMACID          |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
| NON-CHLORINATED<br>DETERGENTS    | BIOXAN            |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | DC/QUATTRO        |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
|                                  | VKS               |                                                                                    |                     |                 |           |      |                    |        |                  |                         |
| CONVEYOR<br>BELTS                | SCIOLIN           | Compatible with all conveyor belts present in wineries and food industries         |                     |                 |           |      |                    |        |                  |                         |
|                                  | VELOSAN           | Compatible with all conveyor belts present in wineries and food industries         |                     |                 |           |      |                    |        |                  |                         |

## FOCUS ON

### Winery hygiene

#### WHEN THE WINERY IS “CLEAN”:

|                                                     |        |                                       |
|-----------------------------------------------------|--------|---------------------------------------|
| SO <sub>2</sub> plays only an antioxidant role      | -----> | reduction or elimination of sulphites |
| Selected yeasts and bacteria are dominant           | -----> | intensity and immediacy of aromas     |
| Recontaminations are negligible                     | -----> | wines without organoleptic defects    |
| Safety in spontaneous fermentations                 | -----> | organic or biodynamic winemaking      |
| Corrective actions are less frequent and invasive   | -----> | great sustainability                  |
| The use of products and equipment is more effective | -----> | savings in terms of time and money    |

#### CORRECT HYGIENE PRACTICES

To make cleaning operations more effective, it is recommended to:

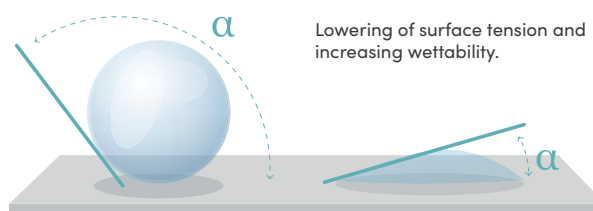
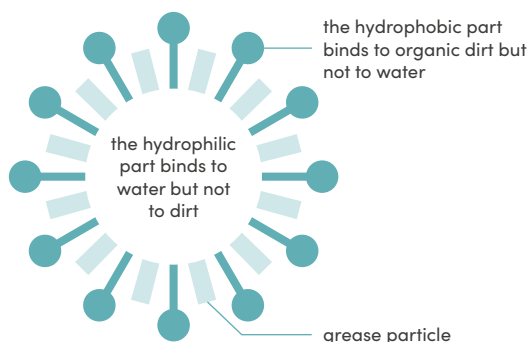
- Always start by removing coarse dirt with potable water
- After cleansing, rinse thoroughly with potable water
- Sanitise only after cleansing
- After sanitisation, rinse thoroughly, preferably with microfiltered water
- After the final rinse, check that the water is neutral
- Respect the recommended dosages, contact times and temperatures

#### SURFACTANTS AND CONDITIONERS

A simple alkaline aqueous solution is not a good detergent. To be effective, the disintegrating action of soda must be supported by other active ingredients. Surfactants are substances which, in detergents, play different roles. The most important is **to reduce the surface tension** of the washing solution, **improve its wettability** and, therefore, facilitate surface/detergent contact. These surfactants allow the **dirt/water emulsion** preventing the dirt from re-depositing on the surface and assisting its removal through rinsing.

Other surfactants are used to avoid **foaming** (e.g. for products to be used in CIP) or, on the other hand, to create persistent and clinging foam (foaming products).

The conditioners are indispensable for binding Ca and Mg ions and to avoid the formation of limescale deposits, especially when using hard water, high temperatures and alkaline products. Conditioners are indispensable in products for washing bottles and kegs and in formulations of lubricants for belts.









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