SCHEDIO

Swiss Milling & Isolation Systems

SWISS MADE

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We combine the passion for the development of innovative solutions and high-quality applications for the pharmaceutical and fine chemical industries for designing and building the highest level standard equipment.

This is possible thanks to the long-standing and direct experience of our Leadership Team in both pharmaceutical equipment manufacturing industry and pharmaceutical manufacturing facilities.

Equipment designed, manufactured and delivered

>300

References in countries

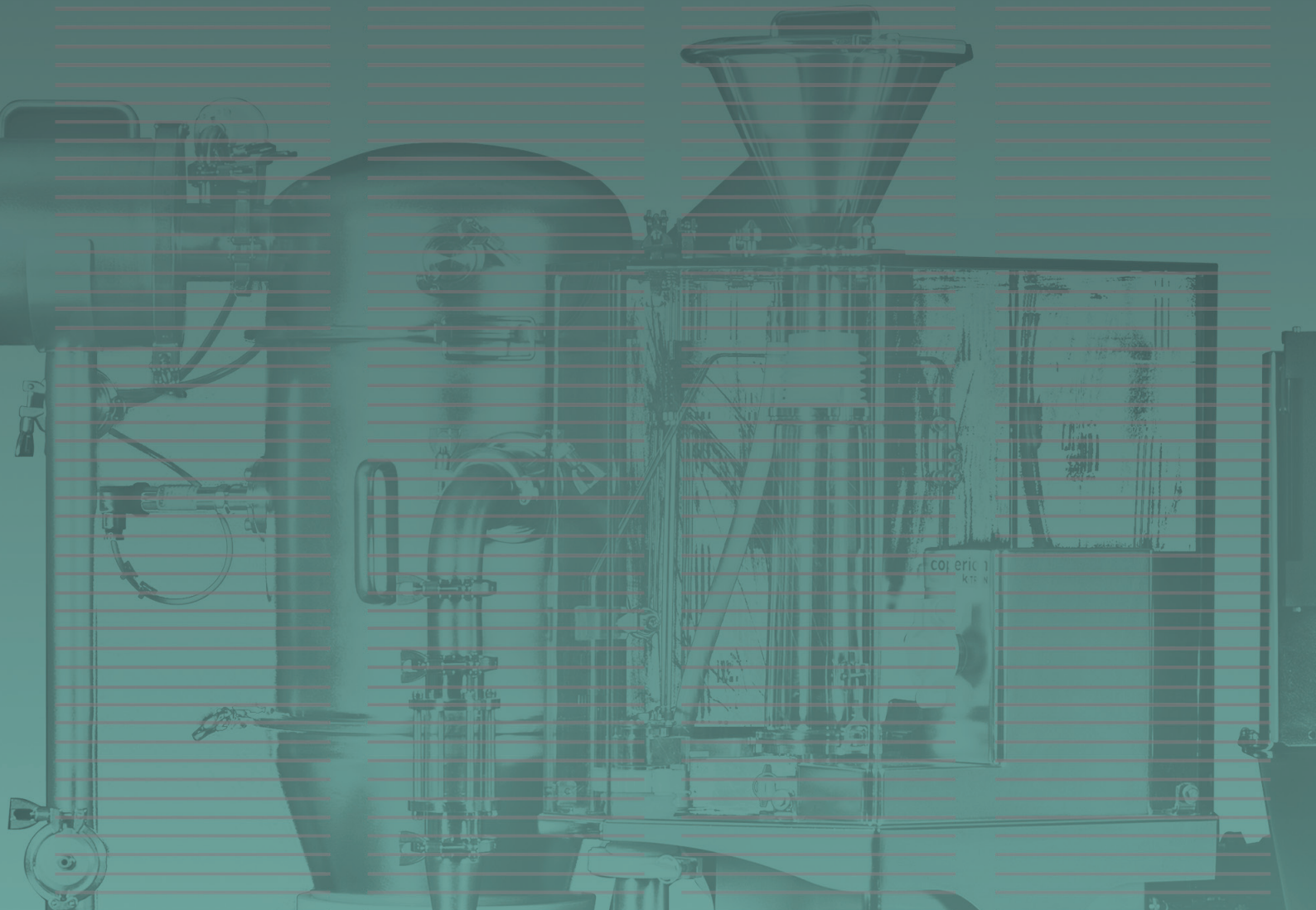
>30

Years of experience

>20

Containment solutions

<10 NG/M³



TAILOR MADE

We take care of our customers since the beginning.

An end-user point of view

Based on what our customers need
we recommend how to design it.
We offer a fully tailor-made solution:
every detail of the machine from the design,
to its software and validation,
is tailor-made around your requirements.
Our solutions are developed passing through the following unavoidable steps:

[Process understanding]

[Conceptual design]

[Mockup at customer site]

[Process simulation]

[Detailed design]

[Construction]

[Validation]

STANDARD JET MILL SOLUTIONS

[Schedio Spiral Mills]

LAB LINE SSM 20 / SSM 44

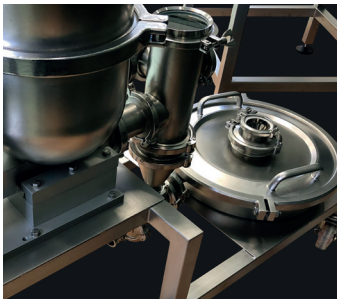
TECHNICAL DETAILS	SSM 20	SSM 44
Air consumption at 7 [bar]	0,05 Nm3/min.	0,3 Nm3/min.
Feed rate Kg/h	0,001 min-0,5 max	0,01 min-0,6 max
Initial granulometry	500 max µm	500 max µm
Final fineness	0,5÷10 max ranges µm	0,5÷10 max ranges µm
Mill size	20 mm /1/2”	44 mm /1 3/4”
Dimensions	200x330x680 mm	310x390x650 mm
Weight	~10 kg	~20 kg

PILOT LINE SSM 66 / SSM 100 / SSM 150

TECHNICAL DETAILS	SSM 66	SSM 100	SSM 150
Air consumption at 7 [bar]	0,4 Nm 3/min.	0,8 Nm3/min.	1,8 Nm3/min.
Feed rate Kg/h	0,05 min-1 max	0,25 min-5 max	1 min-15 max
Initial granulometry	500 max µm	700 max µm	1000 max µm
Final fineness	0,5÷10 max ranges µm	0,5÷10 max ranges µm	0,5÷10 max ranges µm
Mill size	66 mm / 2 1/2”	100 mm /4”	150 mm / 6”
Dimensions	960x1450x1900 mm	960x1450x1900 mm	960x1450x1900 mm
Weight	~250 kg	~250 kg	~250 kg

COMPACT PRODUCTION SSM 200 / SSM 300

TECHNICAL DETAILS	SSM 200	SSM 300
Air consumption at 7 [bar]	4 Nm3/min.	9 Nm3/min.
Feed rate Kg/h	1 min-30 max	5 min-100 max
Initial granulometry	1000 max µm	1000 max µm
Final fineness	0,5÷10 max ranges µm	0,5÷10 max ranges µm
Mill size	200 mm / 8”	300 mm / 12”
Dimensions	2300x1150x2000 mm	2300x1150x2000 mm
Weight	-350 kg	-350 kg



PRODUCTION LINE SSM 300 / SSM 500 / SSM 600

TECHNICAL DETAILS	SSM 300	SSM 500	SSM 600
Air consumption at 7 [bar]	9 Nm3/min.	24 Nm3/min.	34 Nm3/min.
Feed rate Kg/h	5 min-100 max	10 min-500 max	15 min-700 max
Initial granulometry	1000 max µm	1000 max µm	1000 max µm
Final fineness	0,5÷10 max ranges µm	0,5÷10 max ranges µm	0,5÷10 max ranges µm
Mill size	300 mm/12”	500 mm/ 20”	600 mm/ 24”
Dimensions	2500x3000x4000 mm	2700x3000x4000 mm	2700x3000x4000
mmWeight	~1100 kg	~1250 kg	~1400 kg

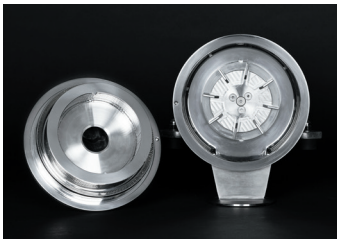
[Schedio Opposite Mills]

OPPOSITE SOM 100 / SOM 300 / SOM 400

TECHNICAL DETAILS	SOM 100	SOM 300	SOM 400
Air consumption at 7 [bar]	0,7 Nm3/min.	3,6 Nm3/min.	16 Nm3/min.
Feed rate Kg/h	0,5 min-5 max	5 min-100 max	8 min-300 max
Initial granulometry	5000 max µm	5000 max µm	5000 max µm
Final fineness	0,5÷10 max ranges µm	0,5÷10 max ranges µm	0,5÷10 max ranges µm

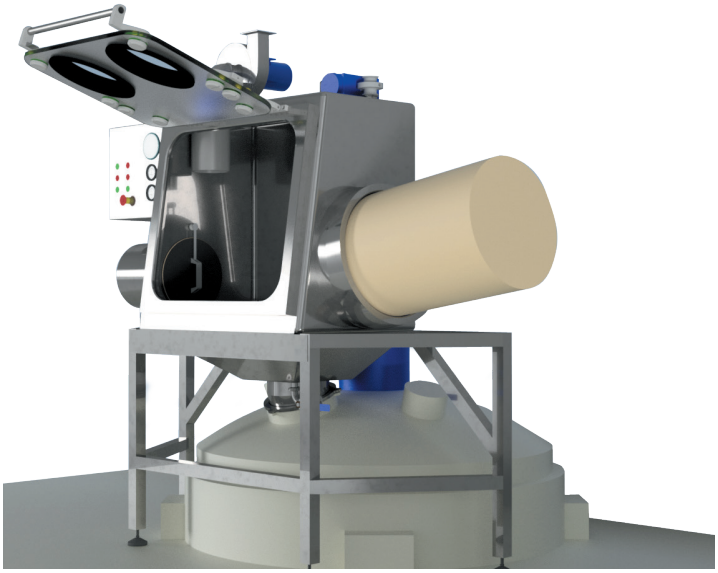
MECHANICAL MILLS

TECHNICAL DETAILS	SPM100	SPM160	SPM250
Feed rate Kg/h	1 min-50 max	3 min-150 max	5 min-300 max
Initial granulometry	<5mm	<5mm	<5mm
Final fineness	50-500 µm	50-500 µm	50-500 µm



ISOLATORS

[Containment]



We design and manufacture containment systems capable of guaranteeing high standards of safety and protection for the operator, the product, and the environment.
Daily exposure to active ingredients can be extremely harmful to operators and the environment, especially in the long term. Exposure of the process to pollution and contaminants may also impact the quality of the final product.
Following the latest SafeBridge and cGMP guidelines, we can guarantee the highest standards of safety and
protection for the operator, the product, and the environment by designing and manufacturing state of the art protective rigid isolators with containment levels (SMEPAC certified) as low as <1ng/m3 (8hTWA).
We can design both modular and fully tailored containment solutions, depending on the process flow and the characteristics of the product to be contained.

Viso

Versatile Isolator for HPAPI Handling. VISO Concept is a modular and versatile isolator to be used for Sampling, Dispensing and HPAPI powder loading in reactors. Thanks to its interchangeable base VISO can be used for all the reported applications.
VISO is available in the ATEX version and it is proper designed to be submitted to the inertization and bio-decontamination process.

[Aseptic Manufacturing]

The last versions of cGMP guidelines are recommending Isolators to increase the Sterility Assurance Level of aseptic manufacturing.
Based on the experience of our Leadership team in aseptic manufacturing, we can design Isolators to enclose the filling, stoppering, and capping operations while providing an aseptic environment for the process, achieving grade A classification trough the bio-decontamination process.
Design of airflow through modeling before Isolator construction allows us to minimize the impact on weighing checks
precision and maximize the efficiency in terms of the bio-decontamination process.
Isolators can be equipped with RTP, mouseholes, active pressure control and monitoring, automatic bio-decontamination process and control system properly designed to be fully in compliance with 21cfr part11 requirements.

GloveSpeedtester - Atex

Our R&D dept. has developed and designed a new efficient gloves leak tester able to detect the presence of the smallest holes in a very limited time thanks to a new dedicated algorithms calculation and a reduced stabilization time.

The glove leak tester is available in its AtEx configuration upon request.

[Services]

REMOTE SUPPORT

The equipment is provided with proper devices to allow remote control and check. This application allows to perform a preliminary check of the control system status and in case of an issue, it is possible to define the strategy and solve the issue remotely.

SPARE PARTS MANAGEMENT

We have on stock all of the most critical components for the machine we manufacture to be ready for their change in case of an issue.

VALIDATIONS

We can serve our customers in the whole validation process starting from the Validation Plan and URS to the IQ-OQ and Performance qualification.

TRAINING

Personnel training, remote or on-site. To better understand how to use the equipment and how to increase its performances.

PLANNED PREVENTIVE MAINTENANCE

To guarantee the full efficiency of the equipment, Schedio SA proposes dedicated Preventive maintenance plan proper. The preventive maintenance plan is part of the supply and the maintenance service.

ON SITE CORRECTIVE MAINTENANCE

We provide Corrective Maintenance Service for equipment manufactured by Schedio and for equipment manufactured by other suppliers.

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