

COLOMBINI

The new way of coffee grinding

www.colombini.srl





The science of coffee grinding

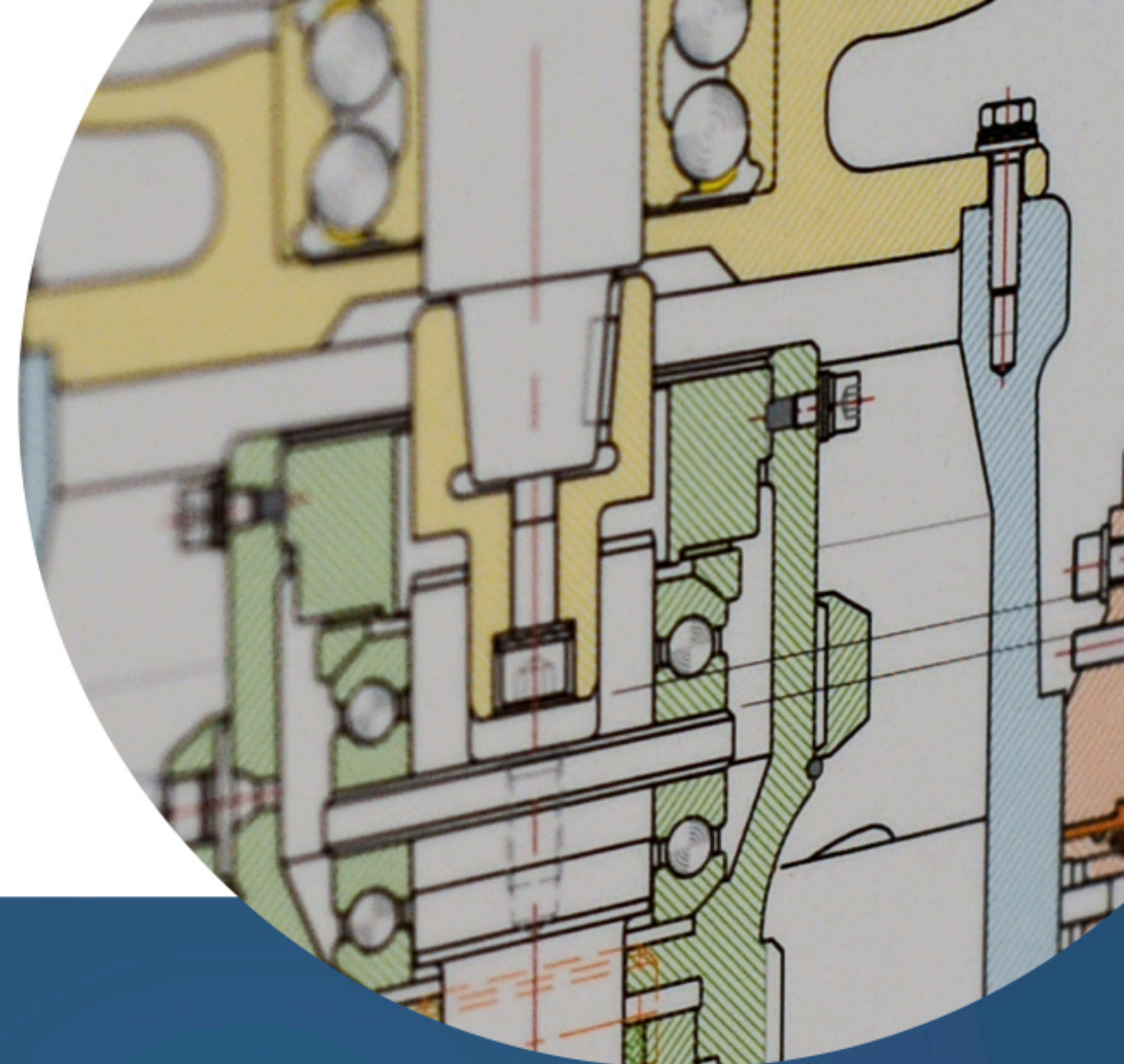
For over 50 years we have been designing and producing discs grinding machines suitable for every production cycle and every type of ground coffee



Proudly made in Italy

100%
quality

We work to create extremely precise machines, designed to guarantee the highest product quality



OUR PILLARS



Maximum
flexibility



Constant and repeatable
results in grinding



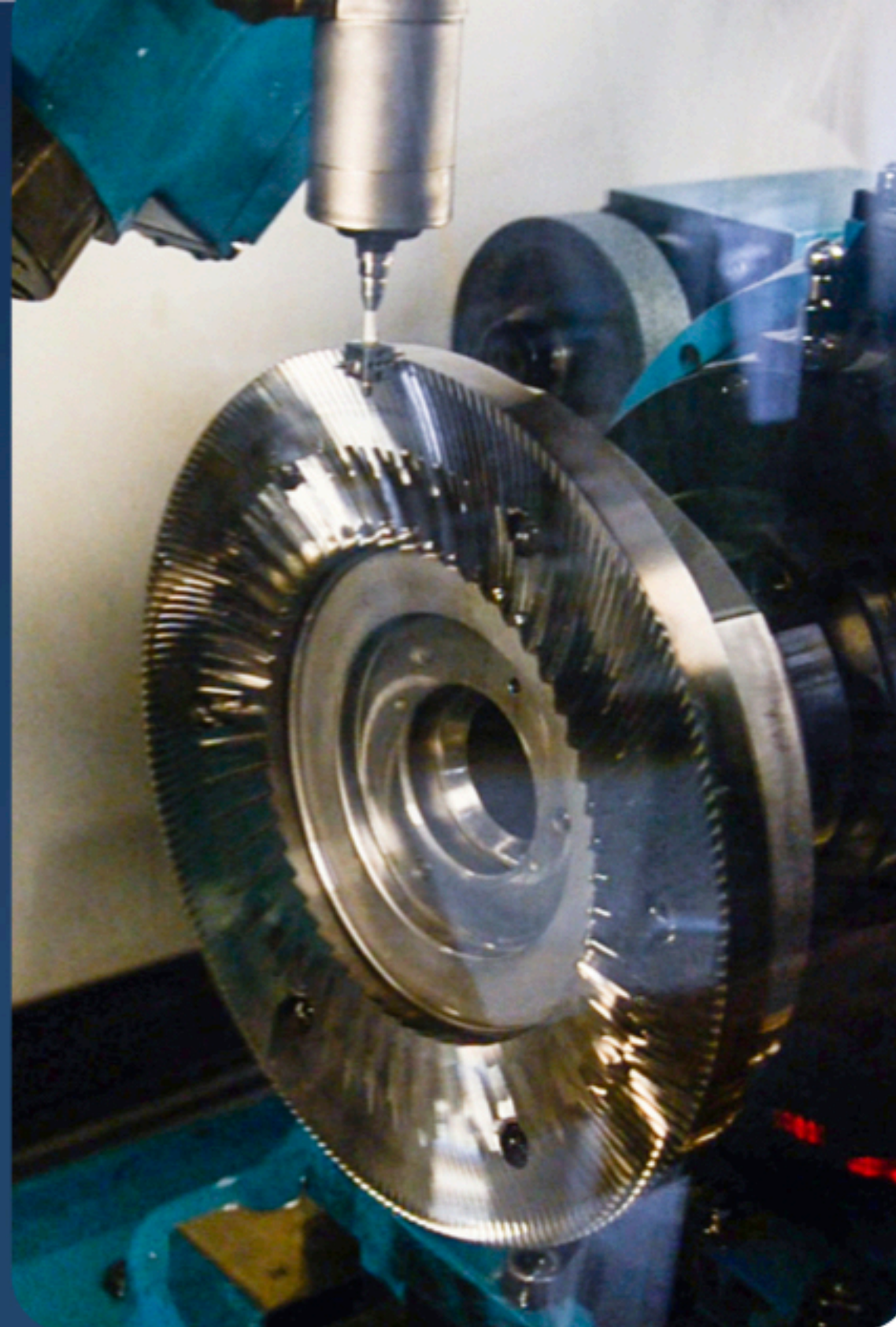
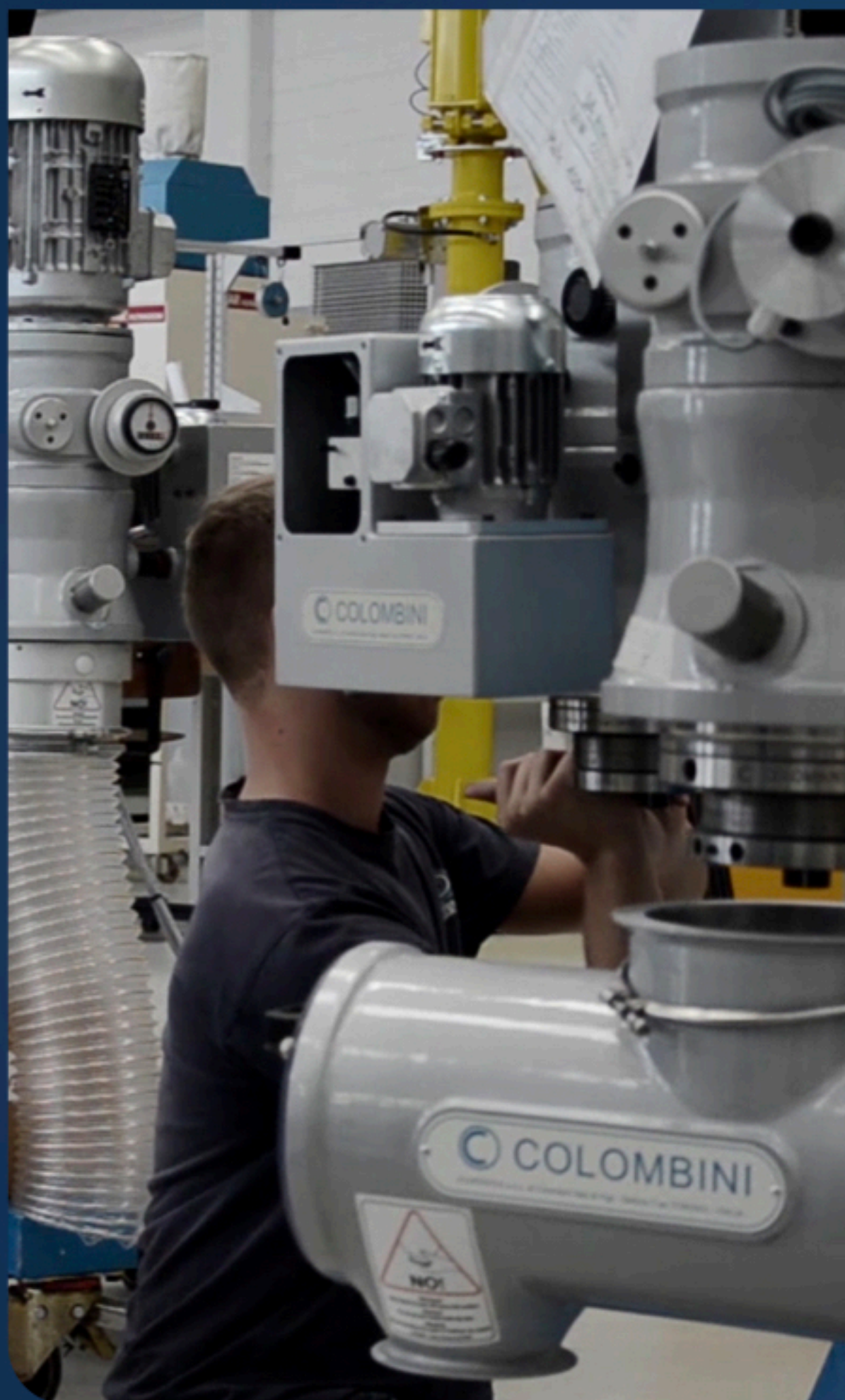
Low energy
consumptions



Easy
to use



Less
maintenance



Discs grinders

We are the world's leading manufacturers of industrial discs grinding machines

This technology allows us to be today the only reliable alternative at the roller grinders



Advanced
technology



Precise
and reliable



1975



MA145

1995



Serie TA

2004



Criomak 4AX

2015



Angel

2019



MAC5

2020



MAC3

Today

50s

Birth

Switch
to coffee
industry

First capsules

Nespresso
capsules

ESE pods

Degassing
System

New patented
system

New products



3000+

Installed grinders
worldwide



16.000+

Set of discs
produced



10bn

Capsules per year
with coffee ground
with our grinders



60+
Countries

7
Exclusive distributors
in 4 continents

800+
Clients
worldwide

Grinding discs system



Heart of "steel"

**Cutting discs are the heart
and the "secret" of the machine**

Designed and manufactured in Italy
Constant and repeatable results

**Tungsten
carbide**
Vickers > 1300
**for foodstuffs
use**

**7 times
sturdier than
tempered steel**

**Resharpenable
up to
16 times**

**Up to
4.000 tons
of coffee**

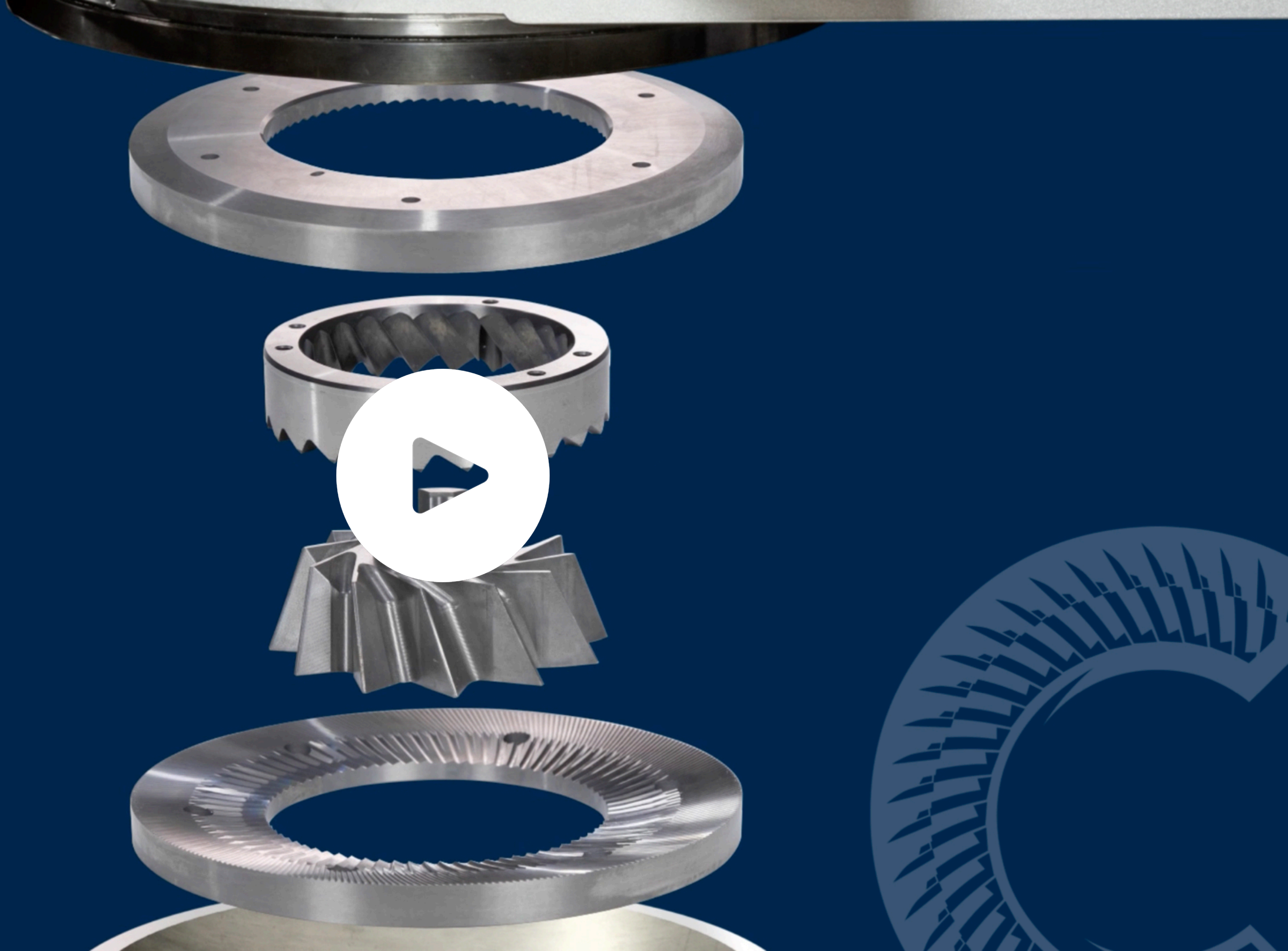




How it works



Watch video





High
precision



Low energy
consumption



Lightweight
and small sizes



Steady low
temperatures



Minimal
maintenance



Easy
to use



Adaptability
and modularity



2 kg of beans:
2 kg of ground



Zero
start-up waste



Direct feeding
of packaging
machines



Start and stop
mode



Low
price



Colombini R&D

New system with
both discs rotating
with independent
speed rotation

MAC **S**



MAC **B**



up to
2.000
kg/h



MACS

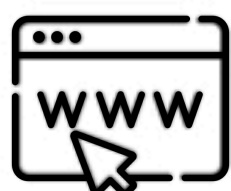
MAC5 sold 60+



Up to **1500 caps/min**

For large productions of any type of coffee

Ideal for both direct feeding
of packaging machines or storage silos
and for the creation of centralised
modular lines



Go to website



Up to **2000 kg/h**



Up to **1500 kg/h**



Up to **1200 kg/h**



Up to **400 kg/h**



14_24

MAC3

MAC3
sold 40+



**The best choice
for single dose
packaging machines**

Medium productions,
including continuous cycle
over several shifts

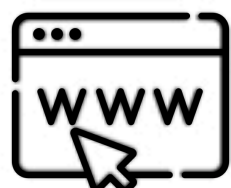
Capacity



Up to 300 caps/min



Up to 200 kg/h



Go to website

High performing grinders



Higher
hourly production



Lower
temperatures



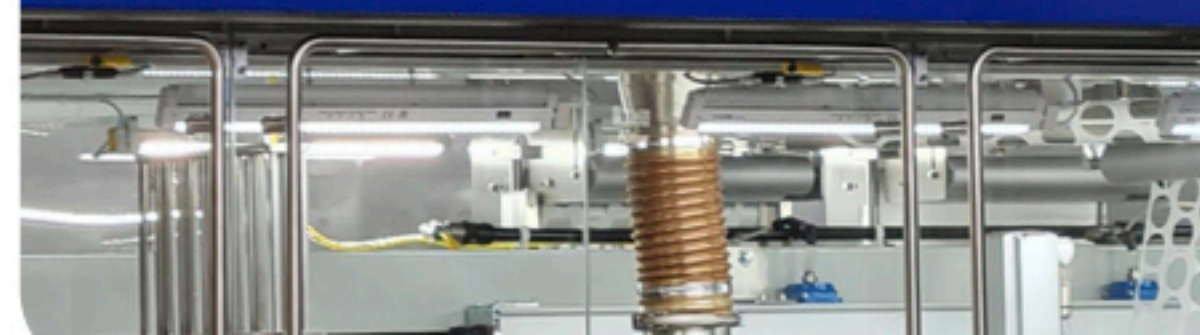
Less energy
consumptions

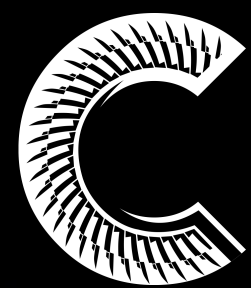


Wider range of
particle size distributions



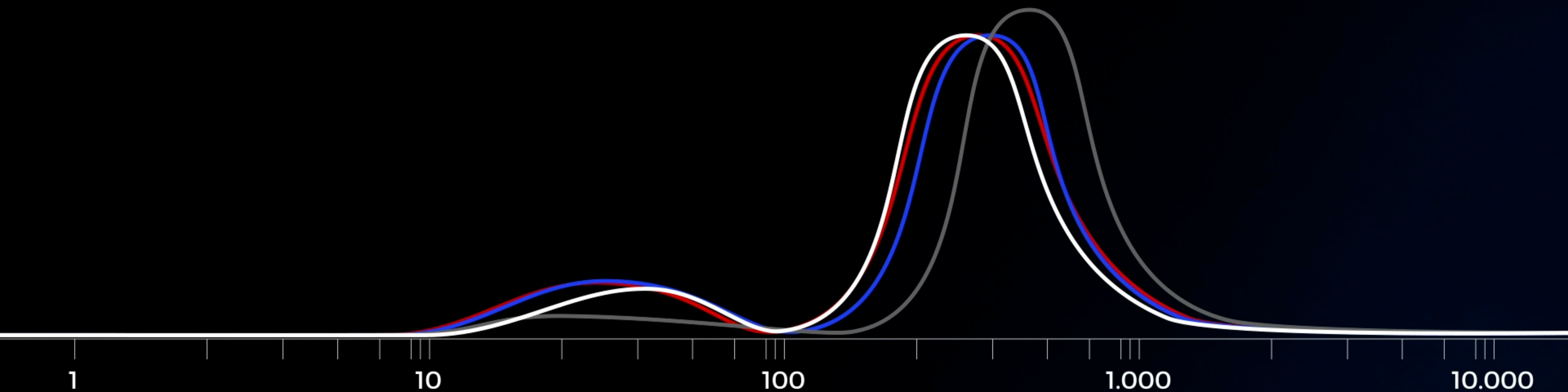
Ideal for direct feeding
and large productions





High performing grinders

16_24

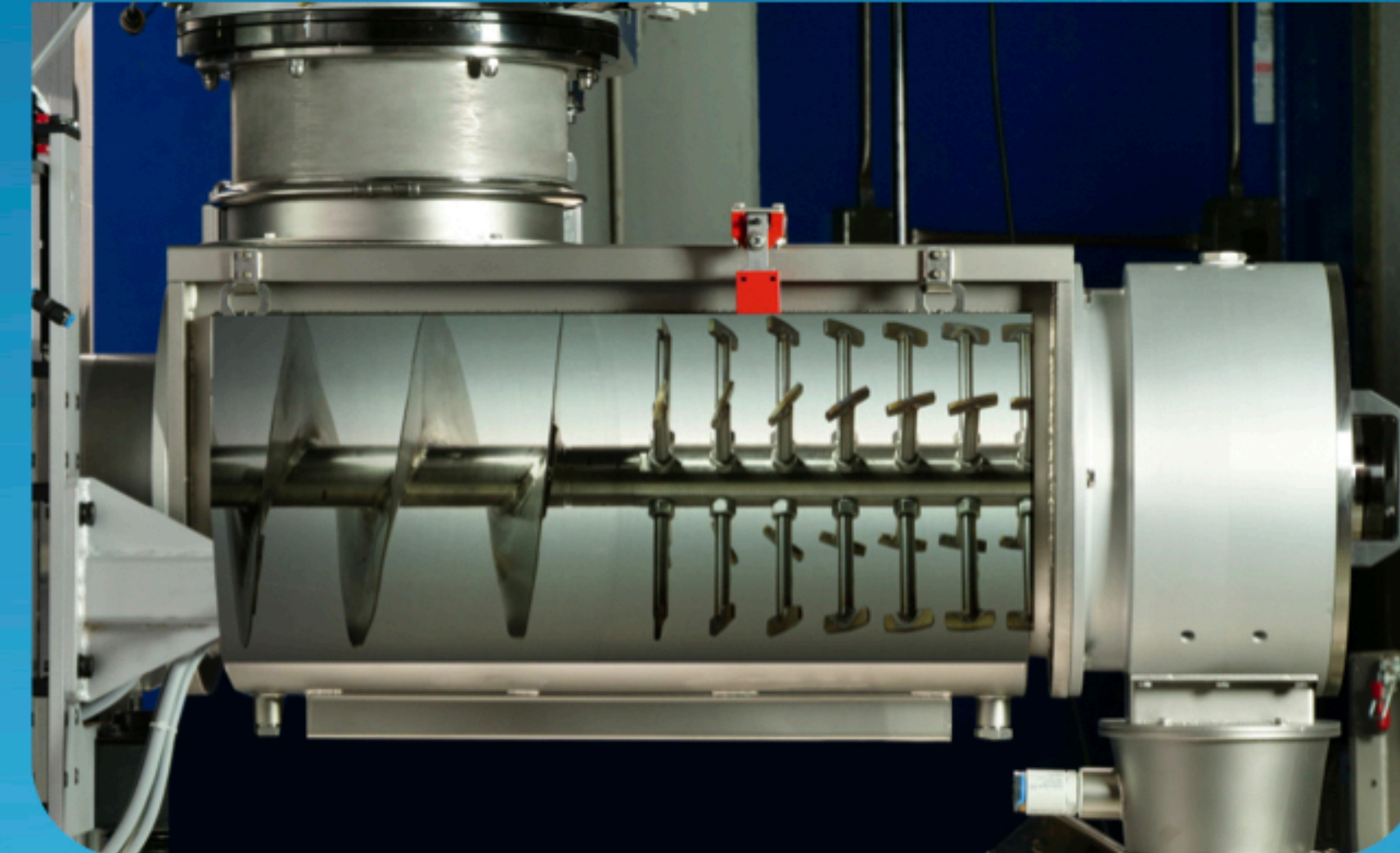



TA 250/400


MAC 5


MAC 3


ROLLER GRINDERS



Densifier

MAC3 and MAC5 can also be equipped with our densifier

Better control and management of the density of the coffee

Very uniform product



Range of Colombini grinders

18_24

Angel



TA serie



Click and discover



MA serie



Criomak 1000 4AX



MAC5



MAC3

Since 2017

Degassing system BMM Colombini

Go to website



Coffee degassing

Starting with roasting, the coffee begins to release CO₂, initiating a degassing process

Natural degassing is unsuitable for the coffee industry

It takes long time

It is influenced by climatic and environmental variables

Risk of product contact with oxygen

It is therefore necessary to force and carefully control the process. And improving it where possible



Peel off of capsule tops

An excess of CO₂ can cause serious problems during the packaging



Vacuum bags bulging

High vacuum High efficiency

$-800 + 300$
mbar



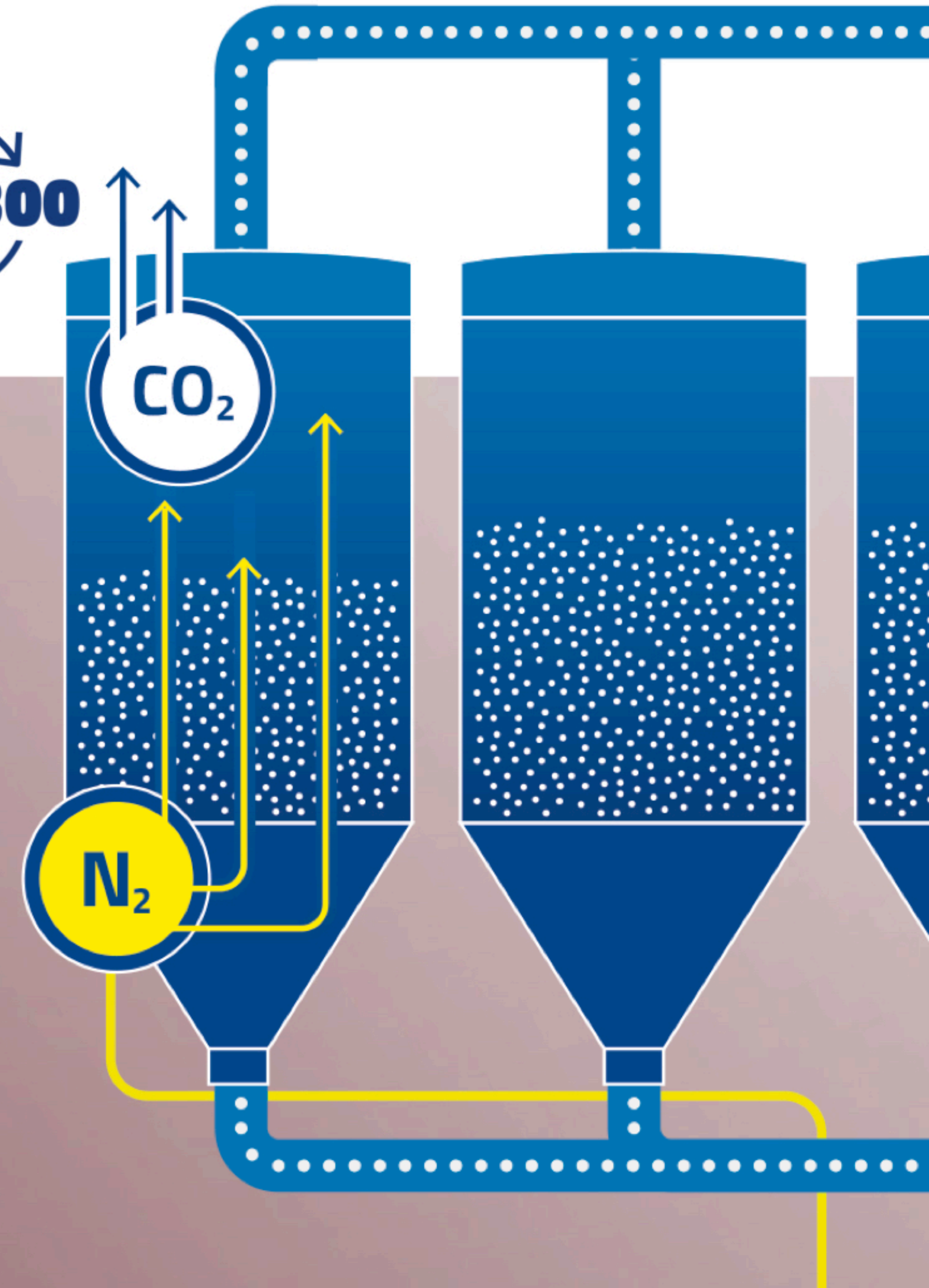
High negative pressure alternating with over pressure cycles accelerate degassing



Extremely low nitrogen consumption

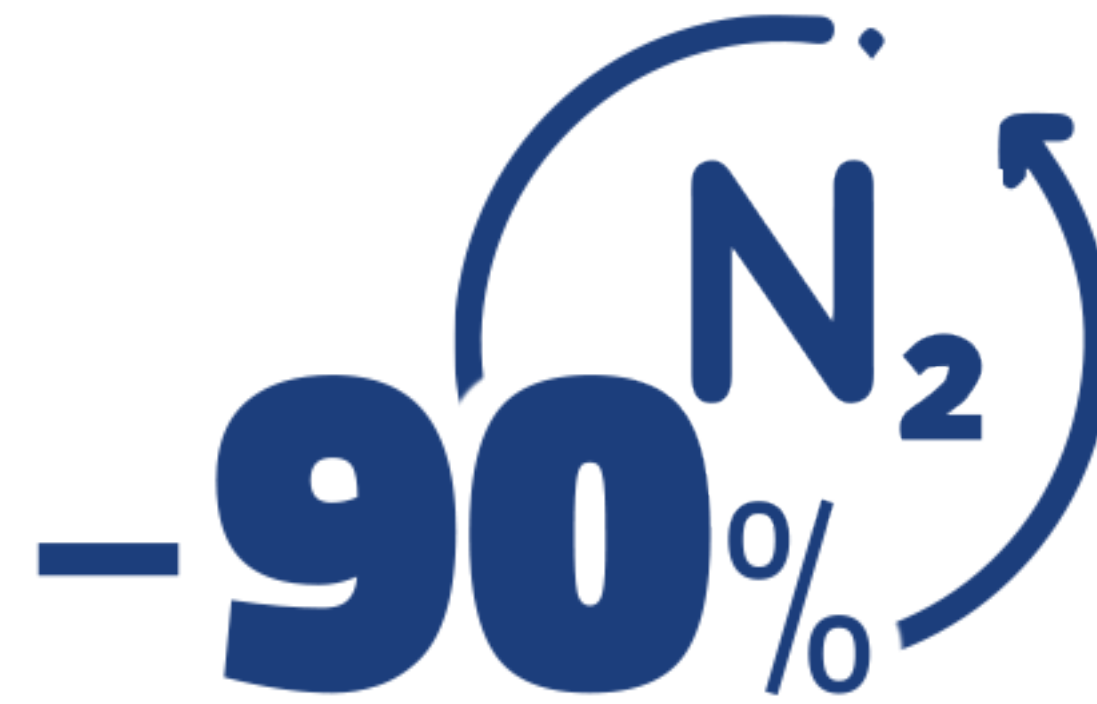


Transport in no-oxygen conditions





Faster degassing (40% less time)



Less nitrogen for degassing

Unparalleled degassing

60+ plants installed worldwide



Fewer silos used and less space needed



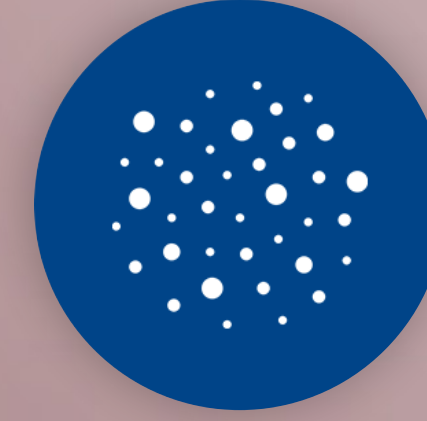
No contamination of different products



Zero nitrogen for storage



No-oxygen conditions



Constant particle size distribution throughout the process



Zero maintenance costs
(No moving mechanical parts)



Flexible, modular, tailor made

COLOMBINI

www.colombini.srl