



The World's No. 1 in Can Machinery

INDOSA Technology

Vacuum Flow System proGas®

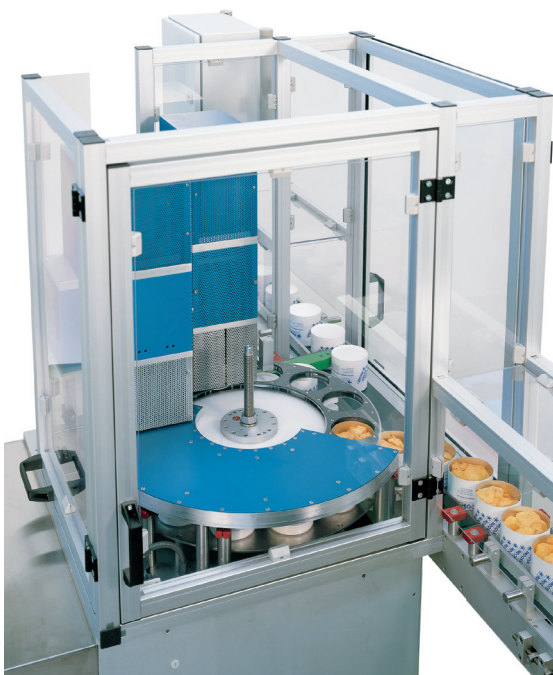


Grabher INDOSA-Maschinenbau AG
Industriestrasse 24
CH-9434 Au (St.Gallen)
Schweiz

Telefon +41 (0)71 747 57 57
Telefax +41 (0)71 747 57 47
www.indosa.com
info@indosa.com

INDOSA Vacuum Flow System «proGAS»

The easy way to make gassed cans down to 2% residual oxygen level



INDOSA matic 100 K2 proGAS

Specifications

Capacity	Up to 50 cans/minute
Can diameter	Up to 100mm (131mm)
Can height	Up to 340mm
Residual oxygen level	Down to 2%*
Cans	Composite cans (or tin cans**)
Lids	Cardboard lids (or tin lids**)

Options

Integrated Filler with gas-flushed product
(→ see overleaf)

* depends on product

** with INDOSA matic 100 proGAS



Grabher INDOSA-Maschinenbau AG
Industriestrasse 24
CH-9434 Au (St.Gallen)
Switzerland

Telephone +41 (0)71 747 57 57
Telefax +41 (0)71 747 57 47
www.indosa.com
info@indosa.com



The World's No. 1 in Can Machinery

INDOSA proGas-System

Dust Collection System

- Product dust collector with distributor
- Dust separator for cleaning system
- Dust separator for auger filler
- Dust separator for vacuum machine

Can Cleaning System

- Device for inner cleaning of cans with blowing air and exhausted device
- UV-tunnel for can sterilizing

CanFeeding System

- Accumulation and buffering table for empty cans
- Rotary table feeder for separating empty cans in one lane

Semi-automatic depalletizing system

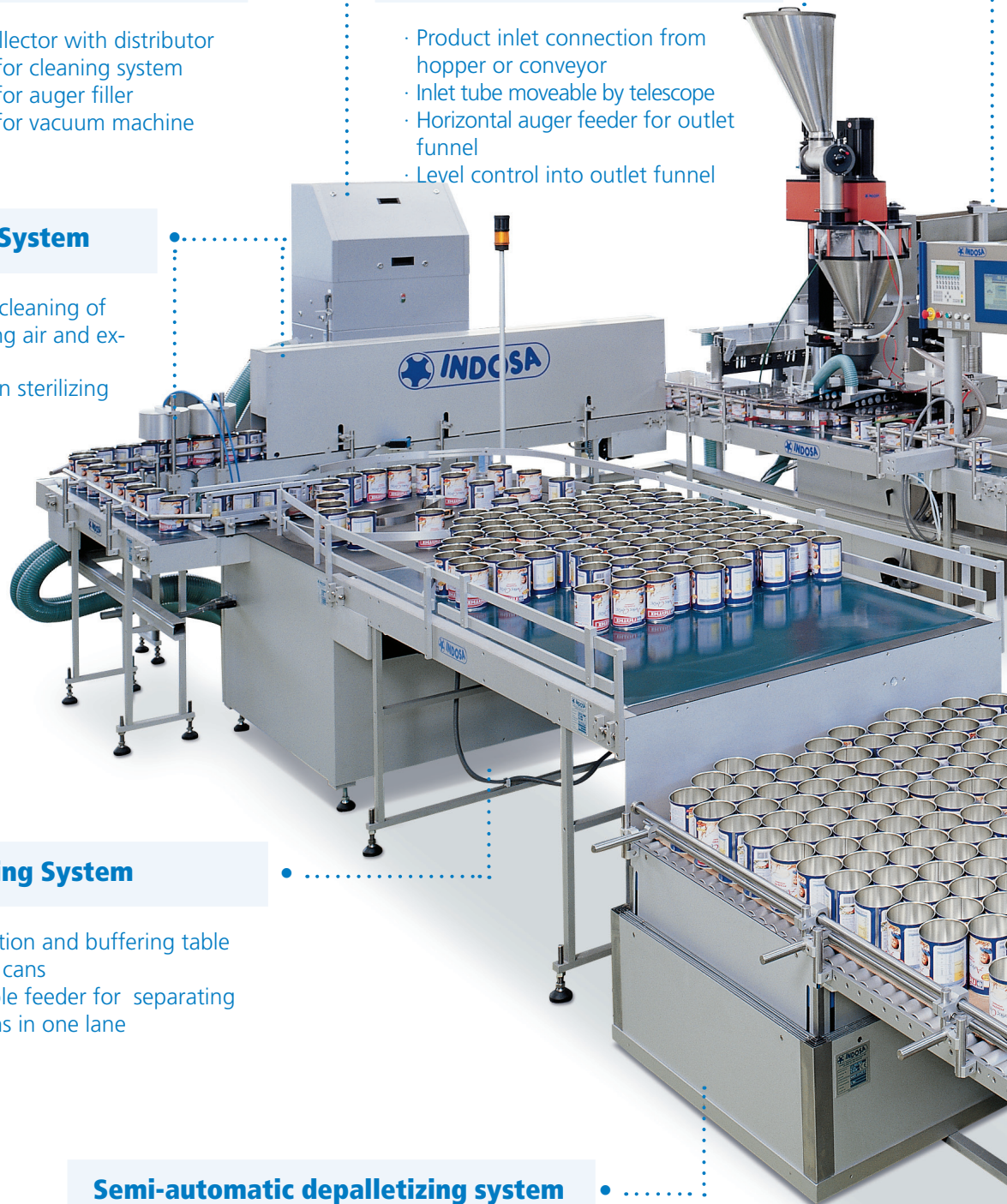
- Hydraulic transference lift to move the trays with the cans onto buffering table
- Control board for height adjustment

Vacuum flow system „proGAS“

- Machine for evacuating and gassing of cans
- Dosing system with vertical auger feeder and agitator
- Integrated check-weighing system with feedback control for the auger filler
- Output device for misweighted cans
- Statistic program with printer
- Station to seam metal ends onto cans

Product Feeding System

- Product inlet connection from hopper or conveyor
- Inlet tube moveable by telescope
- Horizontal auger feeder for outlet funnel
- Level control into outlet funnel



• Can Turning Device

- Turning tunnel for turning cans 180°
- Changeable per can size

• System to apply Over-Caps

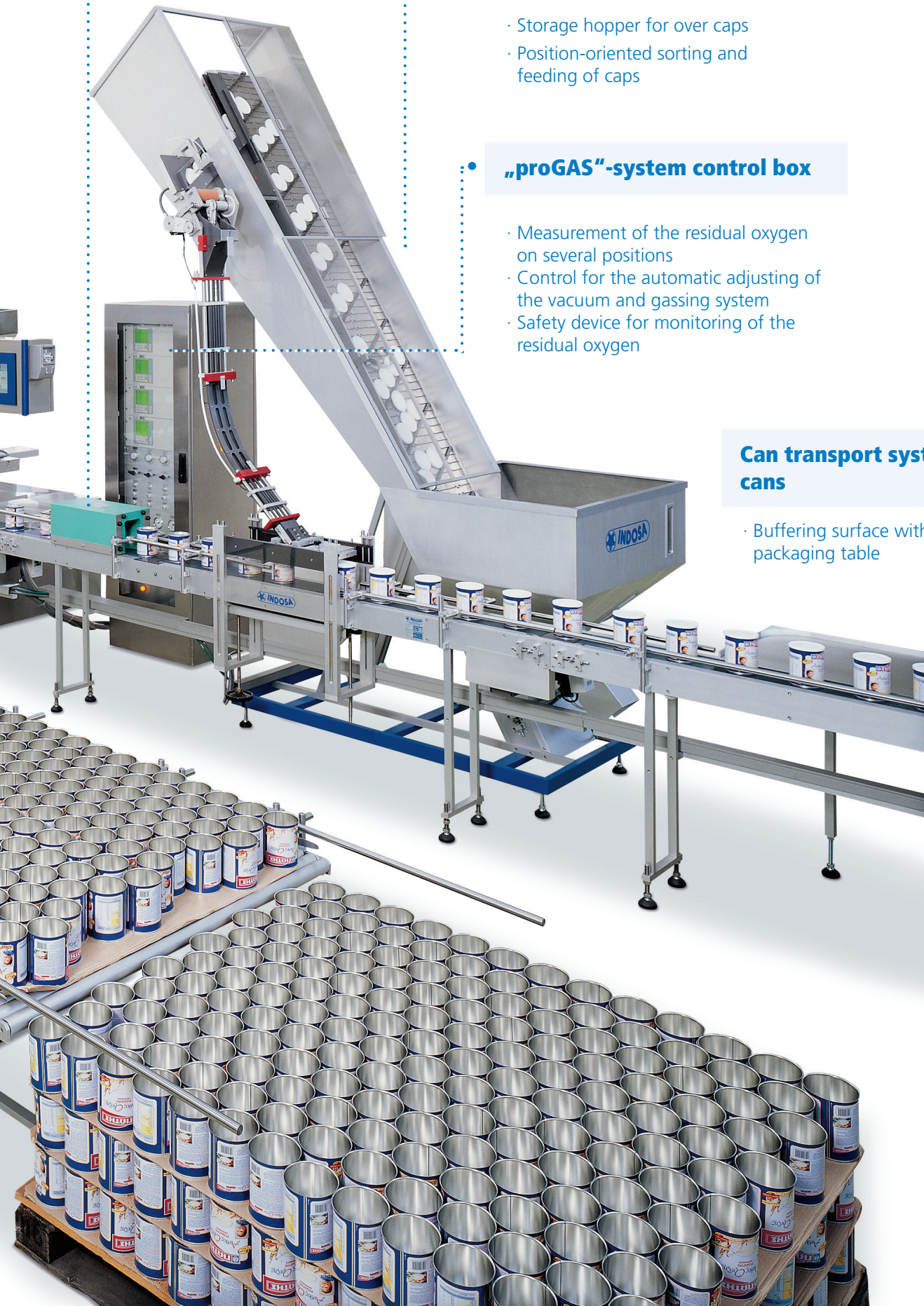
- Storage hopper for over caps
- Position-oriented sorting and feeding of caps

• „proGAS“-system control box

- Measurement of the residual oxygen on several positions
- Control for the automatic adjusting of the vacuum and gassing system
- Safety device for monitoring of the residual oxygen

Can transport system for closed cans

- Buffering surface with can packaging table

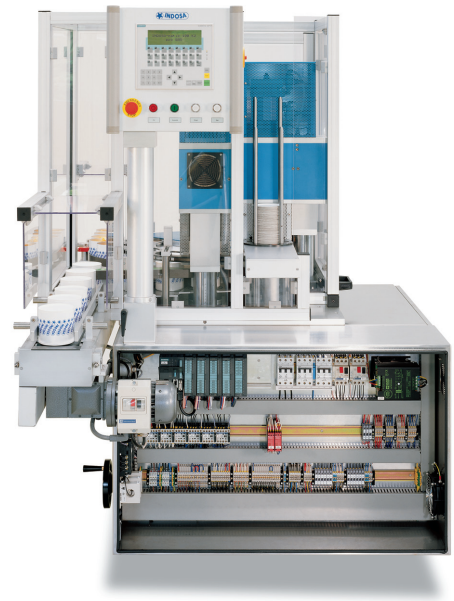


INDOSA Vacuum Flow System «proGAS»

After 40 years of experience in the development and construction of machinery for the evacuation and gassing of cans, INDOSA has succeeded in making a momentous breakthrough. With this development, INDOSA is taking a major step towards complying with the ever-increasing trend for "gassed cans for all food products", and thereby confirms its position as world market leader.

This new process enables the INDOSA can closing machine to achieve perfect gasifying of cans at normal speed. The result is vastly improved effectiveness. The cost-benefit ratio for expenditure and profit can be increased by over 100%. As a result, cans now can be gasified without any major increase in costs.

For the first time, tin cans with tin lids and composite cans with tin or cardboard lids can be securely filled (optional), gasified and closed with one single, compact and cost-efficient machine.



INDOSA matic 100 K2
(side view with opened electric box)

All new INDOSA matic 100-02 machines are now available with the new additional patented INDOSA proGAS features to provide "real" gasifying. The INDOSA matic's characteristic ease of handling, compactness and efficiency are not compromised. Even the super-accurate INDOSA TR2 fillers can be incorporated into the INDOSA matic. Savings in terms of space and cost are enormous. Working e.g. with nitrogen gas, which can be taken directly from the air, makes the process considerably easier and removes the need for complicated apparatus and liquid gas tanks with all their attendant freezing problems.

Options



INDOSA matic 100 K2 with filling station INDOSA TR2 for filling and double-sealing of cardboard lids onto composite cans.



INDOSA matic 100-02 with filling station INDOSA TR2 for filling and seaming of tin lids onto tin cans or composite cans.

INDOSA-matic 131 proGAS & INDOSA TR2

Complete Can Filling & Seaming System with integrated Check-weigher

Option: Patented INDOSA Flow Vacuum System „proGAS“



Specifications

Capacity	Up to 50 cans/minute
Can diameter	Up to 131mm
Can height	Up to 340mm
Filling Volumes	50-2000cm ³
Residual oxygen level	Down to 2%
Cans	Metal or composite cans
Lids	Metal lids



The World's No. 1 in Can Machinery

Grabher INDOSA-Maschinenbau AG

Industriestrasse 24
CH-9434 Au (St.Gallen)
Switzerland

Telephone +41 (0)71 747 57 57

Telefax +41 (0)71 747 57 47

www.indosa.com

info@indosa.com

The worldwide most compact can filling and seaming machine

With patented can gassing system „proGas“ for residual O₂ level down to less than 2%

This can machine can do it all – better, faster and cleaner!

- Transport of empty and closed cans
- High precision filling of powders and granulates, dust-free
- Survey and registration of all filling data
- Protocol of all data on PC card or online
- Seaming of „good cans“ with tin lids
- Detecting and outfeeding of misweighted cans BEFORE seaming
- Automatic cleaning of the dust-exposed machine parts
- Can feeding and guiding system with integrated dust removing
- Automatic adjustment and changing of machine parameters
- Easy change-over of format sets for different can diameters
- Multiple online oxygen sensors for continuous gas value survey

Many additional options possible:

- **Evacuating and gassing of cans**
- Turn-over and plastic lid applying of cans
- Cleaning of empty cans, UV-sterilisation
- Cleaning of closures before capping
- Automatic height-adjustments for different can heights
- Dust collector in stainless steel



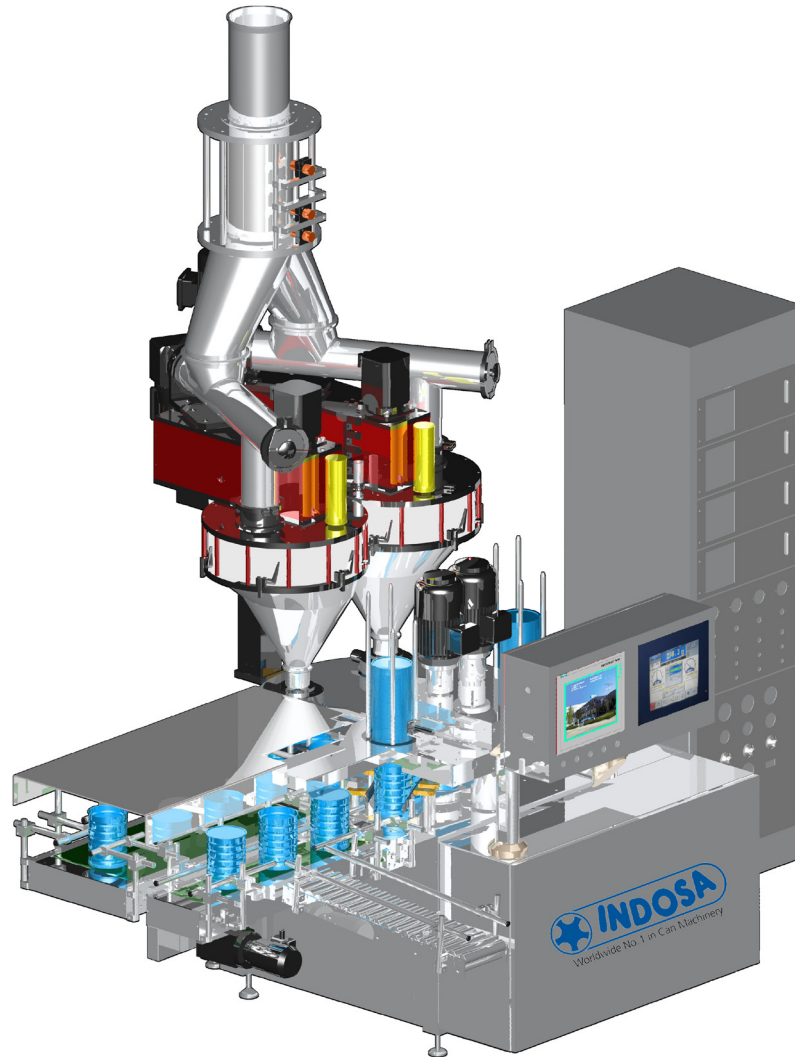
INDOSA-matic 131: filling station, check-weigher, lid setter, seamer (back view)



Control unit for gassing system „proGAS“, can transport system with can turning device and over-capping system

2%O₂

80cpm



Can filler and seamer for gassed milkpowder cans up to Ø 127mm

- Integrated checkweigher with feedback control and statistics
- Integrated online oxygen inspection with multiple oxygen check-points
- Automatic FOS-assistent for save and easy format changings
- Highest security standard with records
- Best price / performance ratio and very little space requirements
- Compatible to all INDOSA supplementary machines

Typical capacity:

Can range:

Filling products:

Residual Oxygen content:

Filling accuracy average weight:

Ground space needed:

80 cans/min. with cans Ø 99 mm

Ø 73 mm - Ø 127 mm, all can heights

Milk powder, babyfood, cereals, etc.

< 2 %

Up to +/- 1 gram

Ca. 3 meters x 2 meters