



# SARELTECH

Suppliers to the Printing & Packaging Industry





## Onyx Start

**Cost Effective Performance  
In The Onyx Family**

Ideal for Short Print Runs  
**Print Width** 1020 | 1320 mm  
**Print Repeat** 310 - 720 mm  
**Max Speed** 400 m/min



## Onyx Go

**Fastest 8 and 10  
Colour CI Press**

Best for Ultra Short and  
Short Runs  
**Print Width** 820-1020-1320 mm  
**Print Repeat** 260 - 720 mm  
**Max Speed** 400 m/min



## Onyx Race

**Most Sustainable Press for  
Medium to Long Runs**

**Print Width**  
1050,1250,1350,1450,1650 mm  
**Print Repeat**  
320-850mm; 360-1200 mm  
**Max Speed** 600 m/min



## Onyx

**Most Popular Model 6,8  
or 10 Colour CI Press**

Standard machine for all  
material types & Jobs  
**Print Width** 800 - 2400 mm  
**Print Repeat** 350-1250 mm  
**Max Speed** 400 - 500 m/min



## Crystal

**High Speed & Performance  
Model 8 or 10 Colour CI Press**

Higher Spec Machine than Onyx  
for all material types & Jobs  
**Print Width** 800 - 1600 mm  
**Print Repeat** 290-850 mm  
**Max Speed** 500 m/min



## Diamond

**Flagship Model 8 or  
10 Colour CI Press**

High Speed & Production  
**Print Width** 1000 - 2500 mm  
**Print Repeat** 310-2200 mm  
**Max Speed** 600 - 800 m/min

# Rotogravure & Flexo Digital Printing

## Rotogravure Printing



### **NEXT 450 -** **Wide Web Gravure**

Peak performance in gravure printing of flexible packaging for short and medium runs.

**Speed 450 m/min**



### **NEXT 350 -** **Wide Web Gravure**

A machine designed on the basis of the Next 450 with the aim to maintain high the printing quality but reducing operation costs for each run.

**Speed 350 m/min**



### **NXS 300 -** **Narrow Web Gravure**

The NXS 300 is outlined by a modular ultra-compact design, suitable for very short-runs.

## Flexo Digital Printing



### **OnyxOMNIA**

The First FlexoDigital Printing Press In The Market As Best Fit For Short And Medium Runs.

**Max Printing Width - 1320 mm**

**Print Repeat Range - 350 - 720 mm**

**Max Printing Speed (Flexo/FlexoDigital or Digital) - 400/300/150 m/min**

**Max Color Unites (Flexo + Digital) - 10 mits**

**Film Tension Range - 2 - 40 daN**

**Max Reel Weight - 1100 Kg**

# Coaters & Laminators



## Rainbow 4.0

### Rainbow 4.0 Solvent-less Laminator

- Fully Automatic Washing System standard for quick job changes less than 10 min
- Rubber Transfer Sleeve System
- 500m/min Speed
- Auto Centre unwind. Internal & External job storage
- Sturdy mixer oscillator



## PrismaCLG

### PrismaCLG Coating & Laminating

- Multiple coating and process types - solvent-based, solventless, and water-based laminating
- All configurations featuring shaftless unwinders and rewinders
- The laminating units is available either with 2 or 3 rollers.
- Max. process speed of 450 m/min and max. material width of 1550mm.



## Mistral

### Mistral Combi machine for Solvent & Solvent-less Lamination

- 2 Separate Units for Solvent & Solvent-less Production
- Solvent-less Adhesive unit with separate web path
- Solvent, Water Based or Cold Seal Unit with Trolleys
- 500 m/min speed



## Rainbow EVO

### Rainbow EVO Solvent-less laminator with Turret Winders

- Modern Design & Technology
- Washing System standard for quick job changes
- 500m/min Speed



## Horizon 4.0

### Horizon 4.0 Combi Laminator for Duplex or Triplex Production

- Machine Modular & customised for any specification as needed
- Rotogravure Units
- Indirect Gravure Units
- Flexo Units
- Production for Wet & Dry Lamination Technologies

# The Flex-Converting Alliance



The one Printing and Converting group to cover all of your flexible packaging needs with the widest offering.



**Bimec** | Slitter Rewinders



**CMG - MAM** | Single Bubble Extrusion Technologies



**GAP** | Specialty Extrusion Technologies



**Smartjet** | Industrial Inkjet Single-Pass Printers



**Uteco** | Printing, Laminating & Converting Machines



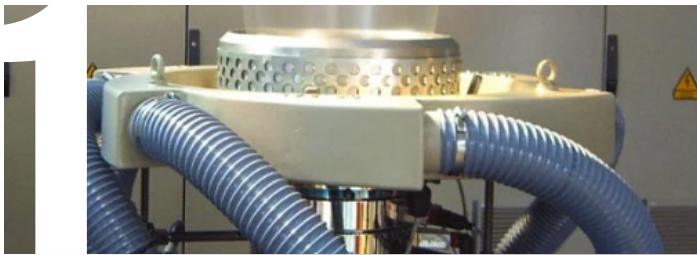
*The most extensive and unique range in the converting industry, spanning extrusion, printing, quality control, and slitting.*



# Blown Film Extrusion

## New Solutions In Blown Film Extrusion

### What Does CMG Offer?

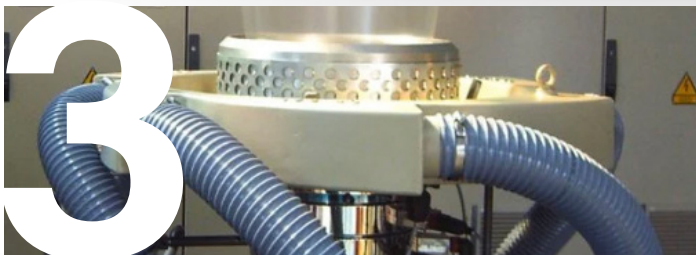


**INNOEX**

High Performance Three-Layers  
Extrusion Lines

**OVERFIVE**

Complete Five Layers Lines for PA/EVOH  
Barrier Film and for Polyolefins Processing



**COEXPERT**

Compact and Versatile  
Coextrusion Three Layers Liners

**ROTOCOMPACT**

Compact and Versatile  
Monoextrusion Lines



## CMG Bought A Company Called MAM

### What Does MAM Offer?

- » MAM HDPE MONO (MONOEXTRUSION)
- » MAM HDPE COEX (COEXTRUSION)

Experienced Engineering,  
Innovative Design.

## Duplex Slitter Rewinder

Narrow Web

Single-Face

Dual-Face



TBS



STB 550

STB series

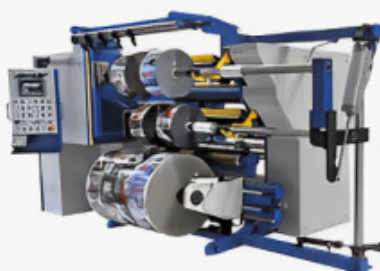


STB 560

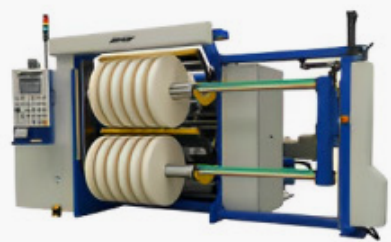
Wide Web



BTS 100



TF 60



STM 60-80 (\*)

## Duplex Turret Slitter Rewinder

Duplex Turret



BBOX



TCA 64/84C +

## Narrow Web Flexo Plate Mounting Machines:



### Irismall

Camis make a range of narrow web (up to 600mm) plate mounting machines.

For general label printers the Irismall 600 is able to cope with Shaftless Cyclinders (shells), integral cylinders and also sleeve change.

## Wide Web Flexo Plate Mounting Machines:



### SleeveMaster AUTO:

The aim of the SleeveMaster Auto is to deliver to the operator a new tool, that is able to deliver automation without the issues often linked to this kind of technology.

### Irisleave HD 4.0

The Camis range of sleeve change and cylinder based plate mounters are designed to remove the manual errors that lead to inconsistent registration and print quality.



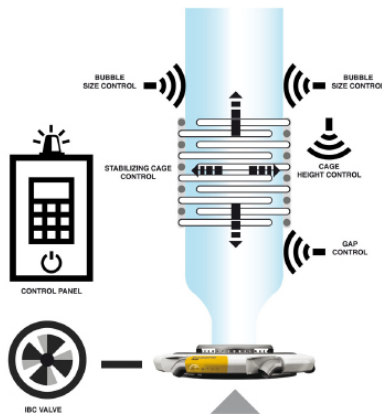
## Gravimetric & Feeding Systems



## Automatic Gauge Control



## IBC & Layflat Control



## Loading & Conveying



## Supervision & Data Aquisition



WBox



WIT



PRO - FOXY - SNAP



SLY

**Reliable and innovative systems for adhesive application and quality control.**



## **Corrugated**

Modern flexo folder gluer production



## **Print Finishing**

Perfect solutions for all requirements



## **End-of-Line**

Efficient and resource-saving packaging production



## **Folding Carton**

From the simple folding box to the complex six-pack



## **Tobacco**

Industrial solutions for the tobacco manufacturing industry



## **Flexible Paper Packaging**

Sustainable packaging, beyond plastic



## **E-Commerce**

Solutions for pressure-sensitive adhesive (PSA) application on shipping boxes



## **Braille**

Meeting all the requirements and upcoming regulations in pharma and cosmetics packaging.





**Powerscope 5000**

Economic and Compact System  
Standard on most Label Presses  
Manual Traverse & Keypad Control Standard  
Continues Optical Zoom  
1 Chip Digital Camera  
100x75mm Field Of View  
Auto Scan & Position Memory Functions

#### **Options**

Motorised Traverse  
Touch Screen Control



**PROView**

The new mid-level web monitoring system  
Durable Lighting Unit  
Split Screen  
High Efficiency  
Cost-Effective Service

#### **Software Options**

Backlight Strobe  
Snapshot Gallery  
Lacquer Strobe  
Display of Weak Contrasts (Haze Guard)



**IPQ Center - View**

High End Range System for Complete Inspection Tasks  
Photographic Image Quality and Realistic Colour  
Virtual Repeat Function with Easy Navigation  
Operation & Live Image with Smart Gesture Control

#### **Camera Options**

1 Chip Digital Camera 10x Zoom  
1 Chip Digital Camera 16x Zoom  
3 Chip Digital Camera 16 x Zoom

#### **Software Options**

Sample Inspection - Defect Detection  
Bar code Inspection  
Snapchat Gallery

Various Illumination Options Incl UV & Lacquer  
Various Additional Display Sizes Available

# 100% Defect Detection Systems

## Narrow Web



### TubeScan Digital Strobe

Economic and Compact System  
Complete Repeat Overview  
Simple Setup & Operation  
Counter for Good, Total and Defects  
250m/min Standard 330/430/550/660/  
850mm Width

#### Upgrades Options

TubeScan + Coarse Inspection & Missing Labels  
TubeScan ++ Fine Inspection & Colour  
Hi Speed & Hi Resolution Options  
Repeat Length Monitoring  
UV Option  
Back Light & Backing Bar Options  
Print Report  
Dynamic Roll Map  
Snapshot Recording  
Pdf Validation



### TubeScan Eagle View

Cost-efficient combination of 100% print control  
& detail view using Matrix camera system  
Capture & Display of up to 10 images per second  
Synchronization  
250/330/370/430/470/550mm Width

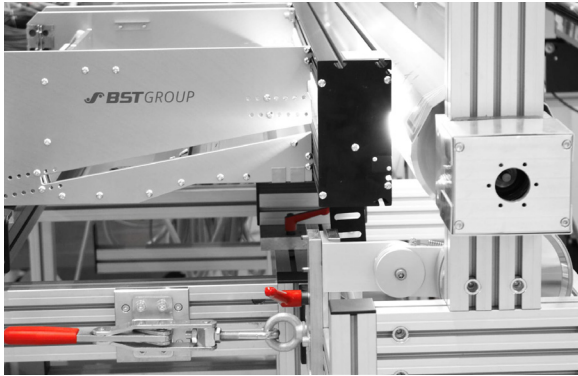
#### Upgrade Options

Digital strobe for web viewing  
UV-Illumination  
Snapshot recording  
Combi backing bar  
'clear-to-clear' backing bar  
TubeScan ++ Detection module for fine print  
TubeScan ++ Print report manager  
TubeScan ++ Distance monitoring  
TubeScan ++ Dynamic roll map  
Touch Monitor + HD monitor



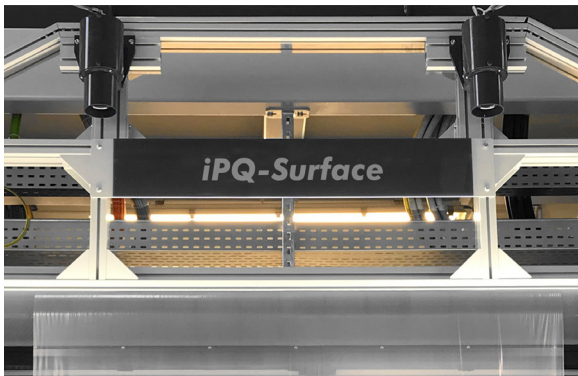
### TubeScan Digital Strobe XL

Mid Web 900 - 1700mm  
Converting / Packaging  
Printing and Slitters  
Digital Strobe  
Coarse / Medium defects  
High-speed matrix camera  
Up to 800 m/min  
Economical



### IPQ Center - Check

- Uninterrupted quality control
- Reliable error detection
- Fast correction of errors
- Increased productivity thanks to automated print inspection
- Targeted error prevention by analysis of production logs
- Reduced waste and complaints
- Increased customer satisfaction
- Production of a higher quality product at a lower cost



### IPQ Surface

- Increased productivity, more efficient processes and better goods
- Resource-saving production
- Less effort and a contribution to climate protection
- Noticeably reduced production costs
- Leaner processes and more time for value-adding activities
- Long-term process optimization
- Improved transparency and more control



### IPQ Center - Spectral - Inline Spectral Measurement

- Early detection of any colour variations allows fast reaction
- Colour consistency is measured throughout each reel
- Quality proof for your customer
- Protocols as a base for process improvements
- On press measurements as an input for the colour kitchen to further close the colour control loop
- Waste reduction during job make ready



### Print Register & Colour Control

#### FSS15 Ink Fountain Control

Fast printing preparation

- » Simple handling
- » Maximum precision
- » Increased productivity
- » Minimized waste
- » Reduced costs

#### Registar 20

Up to 20 Units

E.G. Gravure Application

# Web Guiding Systems

## Controllers

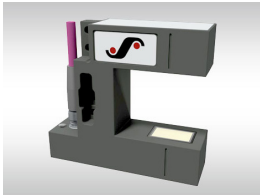


EKR CON 600



ECO: EKR CON 100

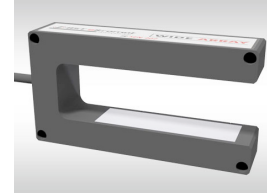
## Sensors



Ultrasonic  
Edge Sensor



CLS PRO 600  
Line & Contrast  
Sensor



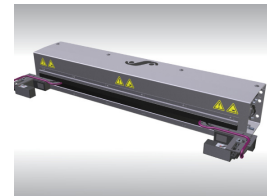
Wide Array  
Sensor



Optical  
Edge Sensor

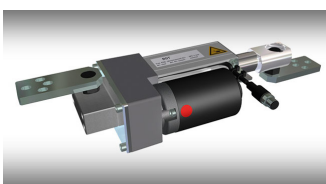


CLS CAM 100

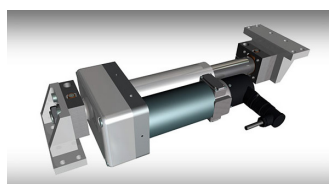


FVG POS 100

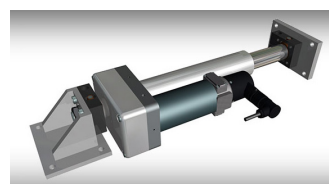
## Actuators



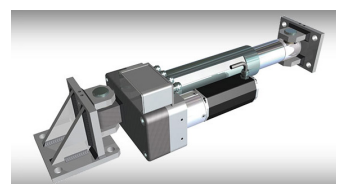
EMS 18



EMS 21



EMS 22



EMS 23

## Anti-Static Techniques

### Anti-Static Ionising Bars



### Measure and Detect Static



### Remove and Clean Statically Charged Dust



### Static Generators and Charging Systems



### Static Control Power Units



### Ionised Air Blowers



## Corona & Plasma Systems

### Corona Discharge



### Hot Needle Perforation



### Lamination System



### Printing System



The Gama Control System Allows Continuous Monitoring Of The Viscosity Thanks To This While Maintaining Very High Print Quality

**VIS - G20**



**VIS - G26**



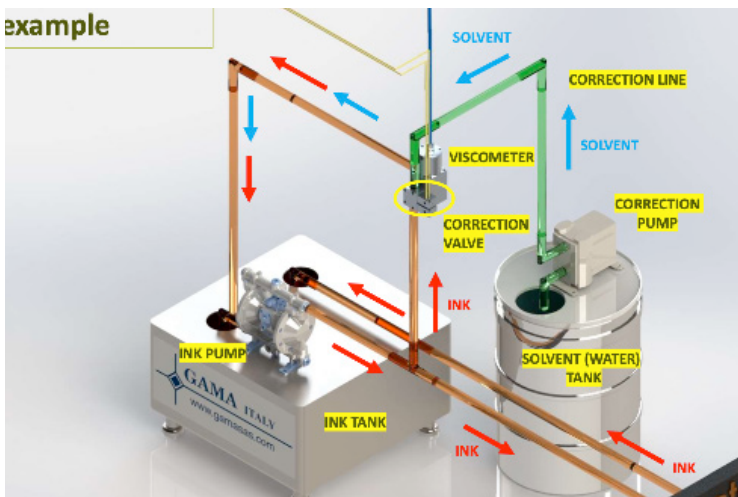
**VIS - G29**



**VIS - G30**



example



## INKS TREATMENT

### Solvent & Water Based Inks Benefits

- Increase the Quality of Printing Process
- Increase Press Speed
- Save Operator Time
- Consistency Ink Formulas
- Save Solvent (or water) & Ink (- 20/30%)

### Solvent-Based Ink

What effects the Viscosity?

- Temperature
- Resin system
- Press Speed
- Agitation
- Printing Time

### Water-Based Ink

What effects the Viscosity?

- pH
- Temperature
- Resin system
- Press Speed
- Agitation
- Printing Time



Laser-Engraved Anilox Rolls and Sleeves

Linde Advanced Material Technologies  
printing@linde.com

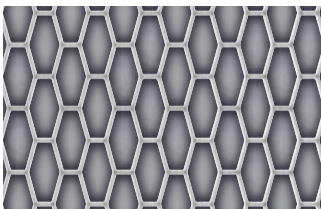
# Anilox Rolls & Sleeves

## Applications

- Applicators (Coating, Laminating)
- Corrugated (Pre- and Post-Print)
- Envelope
- Flexible Packaging
- Folding Carton
- Liquid Carton/Aseptic Packaging
- Metal Decorating
- Newspaper
- Printed Electronics
- Publications
- Single Use (Tissue, Towel, Cups)
- Tag and Label
- Wallcoverings

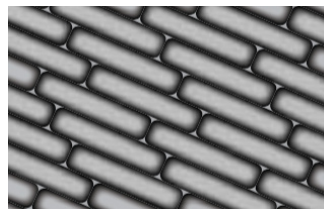


**Novaline Series - High-Quality Laser Engraving Options Designed To Let Rolls Run Cleaner Longer**



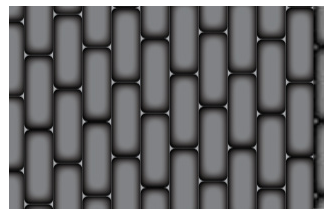
### Nova UV Gold

Ideal for UV ink application, including aluminum, film and paper packaging



### Nova Gold

Developed for high-density flexo printing, particularly high-definition flexible, paper and corrugated packaging



### Nova Silver

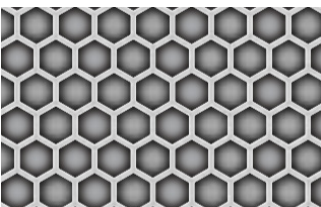
The right choice for solid, process and text high-density printing



### Nova ART Gold

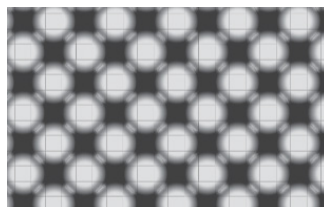
Designed for demanding coating, specialty materials and varnish applications

**Proline Series - Exceptional Coverage And Coating Combines With Fast Cleanup For Better Productivity**



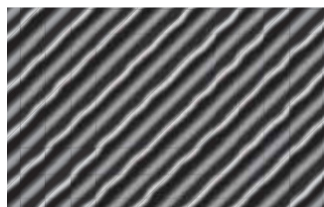
### Proline 60

Suppresses moire effects and delivers easy ink transfer and uniform cell structure - this is the most popular pattern



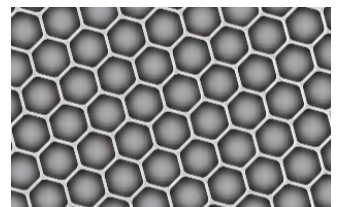
### Proline ART

Anilox Reverse Technology - designed for flexo printing, offset coating, gravure and laminating applications



### Proline HEL\*

Open cell structure offers better ink release for gravure and coater applications

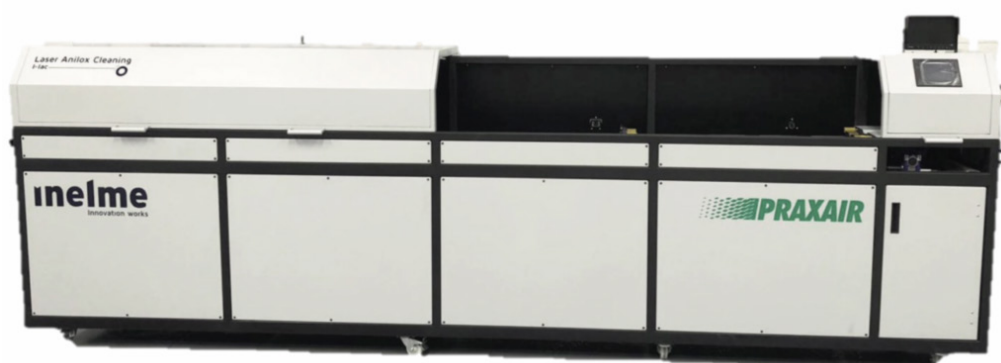


### Proline ISF\*

Minimizes splash of UV inks

Endorsed by Praxair, Inelme's Contact-Free Laser Technology Delivers Safer, More Efficient Anilox Cleaning.

**Inelme** is a Spanish company that is present in more than forty countries with hundreds of running machines around the world.



The rollers are inspected, laser cleaned, and certified as per a new anilox. The machine is capable of anilox diameters from **60mm to 250mm** and with a **maximum cleanable facewidth of 2500mm** for a **total roll length of 3500mm** between the journals.



 **Spot The Difference**

Can you guess what was done to achieve this result?





# Specialty Extrusion Technologies

**Not Only Extrusion Lines But Experience, Formulations, Technical Support and Know How**



## Blown Film Lines

Medium, High Barrier & Non Barrier applications

MicroLayer technology up to 27 layers

MDO-Like film

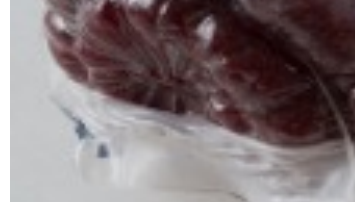


## Double Bubble Lines

POF - Shrink Film

For Barrier or Non Barrier Applications

Available up to 7 layers or MicroLayer technology



## Multi Bubble

Shrink Bags

Available up to 9 layers or MicroLayer technology



## Multi Bubble

Lidding Bags

Available up to 9 layers or MicroLayer technology



## Water Quench Lines

Food Packaging & Medical Bags



## BOPP Barrier Lines

Bi-Axial Orientation & Annealing Wide Web Solutions



## EB Systems For Crosslinking

Material Treatments for Special and Mono Material Applications



## Extrusion Coating & Lamination

Flexible Packaging, Liquid Packaging, Single, Tandem & Triple Station

## Levante

**Levante** is the new cutting-edge **extrusion coating machine by Uteco**, powered by **Gap technology**. **Levante** represents the pinnacle of innovation, redefining the standards in the extrusion coating industry.



**Max Material Width - 2500 mm**  
**Max Working Speed - 750 mpm**  
**Max Extruder Diameter - 160 mm**  
**Max Chill Roll Diameter - 1100 mm**

# Bag Making Machines



## Industries Served



Packaging



Retail



Agriculture



Medical



Food & Beverage

## Side Seal Line



Wicketer Side Seal



Security/Courier  
Bag Machine



Zipper Side  
Seal Machine



High Speed Side  
Seal Machine



Side Seal Machine  
for 30mm Bags



Side Seal Machine

## Bottom Seal Line



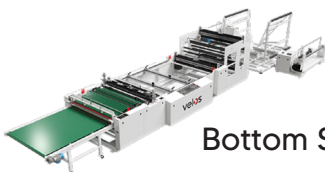
High Speed  
Flying Knife  
Bottom Seal  
bag Machine



Flying Knife  
Bottom Seal  
Bag Machine



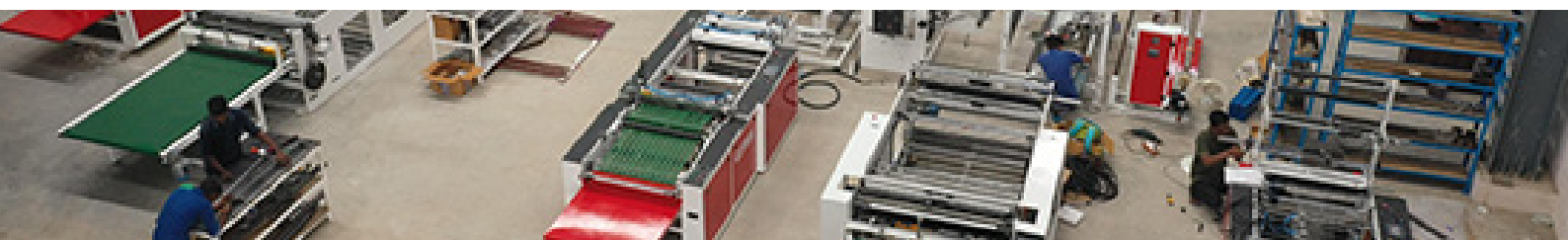
Universal  
Bag  
Machine



Dual Lane  
Flying Knife  
Bottom Seal Machine



Flying Knife Bottom  
Seal Bag Machine  
With Spine Seal



# Pouch Making Machines

## Industries Served



FMCG



Online Stores



Food & Beverages



E-commerce



Quick Commerce

## Pouch Making Machines



Standup Pouch Making Machine



Central Seal - 3 Side Seal Pouch Making Machine



Fin And Lap Seal Pouch Machine



Specialised Biryani Pouch Machine



Compact Standup Pouch Machine



Standup Pouch Machine - Servo Cranking



Specialized Vacuum Pouch Machine



Five Side Seal Pouch Machine



Full Servo Standup Pouch Machine



MACHINES WHICH BAG  
**THE WORLD**

BAG AND POUCH MAKERS

# Machine For Paper Bags



Innovation And Technology, Combined With Easy Use



## SERIES

Available in series 300 & Series 500 Models

## TECHNOLOGY

Geared or Gearless Train Technology

## HANDLES

Handles are available in a **twisted paper** version or in a **flat paper** version



**SUN MASTER 541** | **SUN MASTER 350** | **SUN MASTER 540 EVO**  
**SUN MASTER 545** | **SUN MASTER 355**

# MEET OUR TEAM



**Sarel Oosthuizen**

Owner &  
Sales Director



**Ryno Oosthuizen**

Technical  
Director



**Darrion Crowie**

Business Development  
Manager



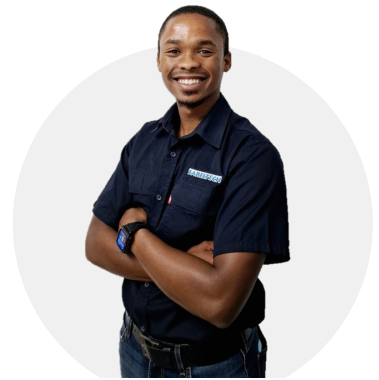
**Leon Carstens**

Senior Electronics  
Technician



**Rohan Agenbag**

Mechanical  
Technician



**Keenan Maarlie**

Junior  
Technician



**Elaine September**

Branch  
Manager



**Macky Korah**

Senior Electronics  
Technician



**Larno Julies**

Technical  
Assistant

# CONTACT US

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