



# Product catalogue

Structural Glazing Applications (SGA)


---

As at: 05.04.2022

## Contact person

### **Werner Eich**


Project Manager

 +49 6593 998-275

 [w.eich@vulkantechnic.de](mailto:w.eich@vulkantechnic.de)

### **Thomas Dimmig**


Technical Sales Representative

 +49 6593 998-134

 [t.dimmig@vulkantechnic.de](mailto:t.dimmig@vulkantechnic.de)

### **Sven Neumann**

Technical Sales Representative

 +49 6593 998-128

 [s.neumann@vulkantechnic.de](mailto:s.neumann@vulkantechnic.de)

## Preface

'Finding the best possible solution begins with understanding the customer process.'

*Ralf Bayerschen, Managing Director*



## Legend

### ▲ Price categories

< €1,000

1

> €1,000

2

> €5,000

3

> €10,000


4

## Table of contents

Preface .....	2
Legend .....	2
Table of contents .....	3
Hand laminators .....	4
Hand presser .....	5
Pneumatic presser .....	6
Laminators .....	7
Wet-out roller .....	13
Hand-held tape dispensers .....	14
Cleaning .....	16
Automation .....	17
Notes/Sketches .....	18

## Imprint

Vulkan Technic GmbH  
Vulkanstrasse 1  
D-54578 Wiesbaum

 +49 (0) 6593/998-0  
 [info@vulkantechnik.de](mailto:info@vulkantechnik.de)  
 [www.vulkantechnik.de](http://www.vulkantechnik.de)

© Copyright 2022:  
Vulkan Technic GmbH

## Hand laminators

### SGA 200

2

**Hand lamination unit** to apply adhesive tape on to a surface (glass, profiles, plastics etc.).

- ▲ Straight adhesive tape track with adjustable distance to the edge of the product the tape is applied to
- ▲ Easy to adjust adhesive tape width (5 - 30 mm)
- ▲ Defined contact pressure thanks to ratchet mechanism and spring assembly
- ▲ Red-green display shows the correct contact pressure
- ▲ Maintenance-free ball bearings
- ▲ Frame for keeping the unit close to the workplace
- ▲ Rugged construction
- ▲ Weight 2.8 kg / 6.2 lb (without adhesive tape roll)



### SGA 210

2

**Hand lamination unit** to apply adhesive tape on to a surface (glass, profiles, plastics etc.).

- ▲ Straight adhesive tape track with adjustable distance to the edge of the product the tape is applied to
- ▲ Easy to adjust adhesive tape width (5-30 / 10-50 mm)
- ▲ Maintenance-free ball bearings
- ▲ Rugged construction
- ▲ Weight 2.8 kg / 6.2 lb (without adhesive tape roll)



## Hand presser

### ▲ SGA 300 – 130/250/400

2

**Hand presser** to exert a defined pressure on the bonded product.

- ▲ Linear guide on the product edge
- ▲ Available clamping widths
  - ▲ clamping width < 130 mm
  - ▲ clamping width < 250 mm
  - ▲ clamping width < 400 mm
- ▲ Short/long version of the pressure rollers
- ▲ Defined contact pressure thanks to ratchet mechanism and spring assembly
- ▲ Red-green display shows the correct contact pressure
- ▲ Maintenance-free ball bearings
- ▲ Rugged construction
- ▲ Weight approx. 4 kg / 8.8 lb



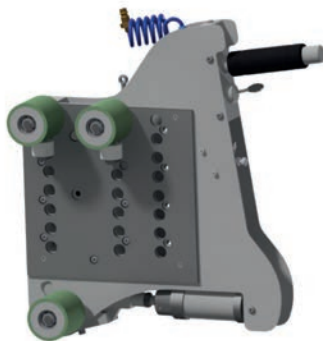
## Pneumatic presser

### ▲ SGA 350 – 100/200/270

2

**Pneumatic presser** to exert a defined pressure on the bonded product (e.g. glass on frames or profiles).

- ▲ Linear guide on the product edge
- ▲ Available clamping widths:
  - ▲ clamping width < 100 mm
  - ▲ clamping width < 200 mm
  - ▲ clamping width < 270 mm
- ▲ Contact pressure applied by pneumatic cylinder; can be set by pressure regulator
- ▲ Maintenance-free ball bearings
- ▲ Rugged construction
- ▲ Weight 5 kg / 11 lb to 6 kg / 13 lb



## Laminators

Our laminators feature a flexible modular design, the main difference between them being whether they are bonding-head guided (SGA-400) or component guided (SGA-500/SGA-600).

3

### Linear laminator SGA 400 – 2000/3000/4000

**Linear lamination unit** to apply adhesive tape on to different surfaces (e.g. profiles).

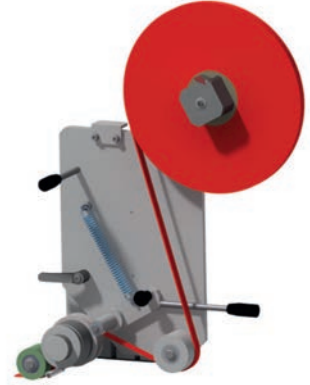
- ▲ Straight adhesive tape track with adjustable distance to the edge of the product the tape is applied to
- ▲ Bonding head mounted on linear guide
- ▲ Various standard lengths available  
(1,500 mm / 2,000 mm / 2,500 mm / 3,000 mm / 4,000 mm)
- ▲ Different bonding heads can be integrated:
  - ▲ SGA 500
  - ▲ SGA 500-DS
  - ▲ SGA 600
- ▲ Contact pressure through spring force
- ▲ Maintenance-free ball bearings
- ▲ Benchtop model
- ▲ Rugged construction
- ▲ Dimensions:
  - ▲ Depth: 600 mm
  - ▲ Height: 600 mm
  - ▲ Length: 2,100 mm / 2,600 mm / 3,100 mm / 3,600 mm / 4,600 mm



## Continuous laminator SGA 500

**Lamination unit for stationary operation.** For applying adhesive tape on to different surfaces (e.g. profiles).

- ▲ Straight adhesive tape track
- ▲ Easy to adjust adhesive tape width  
(5-30 mm / 30-55 mm / 50-80 mm)
- ▲ Contact pressure through spring force
- ▲ Maintenance-free ball bearings
- ▲ Rugged construction
- ▲ With mounting stand for simple integration
- ▲ Various pressure rollers possible (50, 70 Shore for example)
- ▲ Simple product guide available
- ▲ Can be combined with SGA 400 (see page 7)



## Continuous laminator SGA 500-DS

**Lamination unit for stationary operation.** For applying adhesive tape on to different surfaces (e.g. profiles).

- ▲ Parallel straight adhesive tape tracks
- ▲ Various standard adhesive tape widths possible:  
13 mm, 16.5 mm, 19 mm, 20 mm, 25.4 mm, 32 mm;  
further widths on request
- ▲ Contact pressure through spring force
- ▲ Maintenance-free ball bearings
- ▲ Model can be integrated into your production line
- ▲ Rugged construction
- ▲ With mounting stand for simple integration
- ▲ Various pressure rollers possible (50, 70 Shore for example)
- ▲ Simple product guide available
- ▲ Can be combined with SGA 400 (see page 7)





## Continuous laminator SGA 600

**Lamination unit for stationary operation.** For applying film or adhesive tape on to different surfaces (e.g. profiles).

- ▲ Straight adhesive tape track
- ▲ Adhesive tape widths available (100 mm / 200 mm)
- ▲ Contact pressure through spring force
- ▲ Maintenance-free ball bearings
- ▲ Model can be integrated into your production line
- ▲ Rugged construction
- ▲ With mounting stand for simple integration
- ▲ Various pressure rollers possible (50, 70 Shore for example)
- ▲ Simple product guide available
- ▲ Can be combined with SGA 400 (see page 7)



# Product catalogue - SGA

▲ With all the flexibility of Vulkan Technic's **modular designs**, your **customised laminator** is just a few steps away.

Simply answer the basic questions set out below and then get in touch with one of our contact persons.

Module A: Which adhesive tape widths do you want to apply?

**Module A**

Module B: Do you want to apply a dual track?

**Module B**

Module C: Which application roller do you want to use?

▲ Hard PU roller, 70 Shore

▲ Soft PU roller, 50 Shore

**Module C**

**Do you want to move the component or the bonding head?**

**Please continue here if you want to guide the bonding head over the component:**

Module D: How long is the bonding track?

**Module D**

Module E: Do you need tools to fix the components?

**Module E**

Module F: Do you need a product holder?

**Module F**


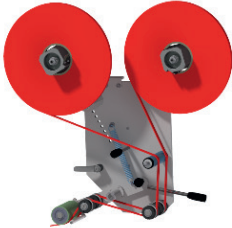






**Please continue here if you want to move the component under the bonding head:**

Module G: Do you need a product guide?

**Module G**

Module H: Do you need a mounting stand/base?

**Module H**

Module	Product description	
A	Bonding head basic unit for different adhesive tape widths  <b>SGA 500:</b> ▲ 5-30 mm ▲ 30-55 mm ▲ 10-50 mm ▲ 50-80 mm  <b>SGA 600:</b> ▲ 100 mm ▲ 200 mm	
B	Bonding head basic unit with dual-track system  <b>SGA 500-DS</b> , possible tape widths: ▲ 13.0 mm ▲ 16.5 mm ▲ 19.0 mm ▲ 20.0 mm ▲ 25.4 mm ▲ 32.0 mm  Other widths on request.	
C	Choose between hard (70 Shore) and soft (50 Shore) rollers. Other versions on request.	
D	Base frame for linear laminator. Standard lengths: ▲ 1,000 mm ▲ 2,000 mm ▲ 3,000 mm ▲ 4,000 mm  Other individual lengths possible on request. Simple flat products can be placed straight on to the base frame.	
E	Fixing the components. Flexible height adjustment. Simple clamping.	
F	Customised product holders are possible on request.	
G	Product guide using roller technology. Standardised guide, different widths possible, easy to adjust.	
H	Mounting stand for bonding head unit for simple integration into an existing production line.	

## ▲ Accessories SGA-400 / SGA-500:

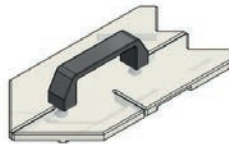
### Combination scissors

Tool for cutting adhesive tape to size

1

### Mitre Guide

Template for cutting adhesive tape to size



1

You still need even more levels of automation, or you need a more customised solution?  
Feel free to contact us so that we can all put our heads together and devise your bonding solution.

4



## Wet-out roller

1

### SGA 700 Wet-out roller

**Wet-out roller** for applying the defined pressure to the manually applied adhesive tape.

- ▲ Only functional if the required (adjustable) pressing force is exerted
- ▲ Spring force system, adjustable spring force of e.g. 50 N
- ▲ Repeatability of pressing force
- ▲ High level of wet-out achievable
- ▲ Maintenance-free ball bearings, lifetime lubrication
- ▲ Hard-wearing plastic or rubber roller
- ▲ Available with the following pressure rollers (Ø 50 mm):
  - ▲ Width: 22 mm (material: POM)
  - ▲ Width: 25 mm, 30 mm, 40 mm (PU coated)
- ▲ Easy to handle and delivers the maximum results
- ▲ Time tested in the automotive industry
- ▲ Other versions possible on request



## Hand-held tape dispensers

### ▲ SGA VT-TA 100 Hand-held tape dispenser

2

**Hand-held device** to apply single-sided or double-sided adhesive tapes.

#### **Application:**

For applying single- or double-sided adhesive tapes on to plastic injection moulding parts, such as protective mouldings, door sills etc. Simplifies work on curved surfaces.

#### **Operation:**

Hand-guided tape dispenser incorporating function to cut off tape at the end. Additional trimming of the tape may be necessary.



#### **Designed for use on:**

Single-sided and double-sided adhesive tapes, type e.g. acrylic foam. Flat-wound rolls approx. 66 m in length, wound on a 3" core with brakes, available for adhesive tape widths of **4, 6, 8, 10, 12 and 15 mm**; other widths on request.

## SGA VT-BA 16 Butyl applicator

**Hand-held device** to apply butyl tape.

### Operation:

Hand-guided applicator incorporating function to cut off tape at the end. Additional trimming of the tape may be necessary.

### Designed for use on:

Butyl tape (butyl track on release liner)  
Flat-wound rolls approx. 66 m in length  
and a max. roll diameter of 200 mm,  
wound on a 3" core with brakes, available  
for a tape width of **16 mm**; other widths on request.



## SGA VT-FA 40 Film applicator

**Hand-held device** to apply films.

### Operation:

Hand-guided device incorporating function to cut off film at the end. Additional trimming of the film may be necessary.

### Designed for use on:

Single-sided adhesive materials, films, protective films etc.,  
flat-wound rolls approx. 66 m in length, wound on a 3" core  
with brakes, available for a film width of **40 mm**;  
other widths on request.

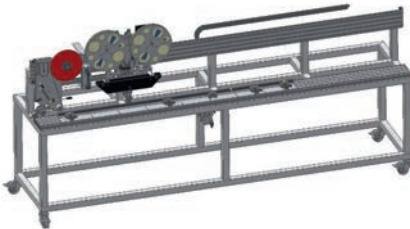


## Cleaning

To achieve optimum adhesion results, we recommend pretreating the surface of the workpiece. In the simplest case, this may just involve cleaning with a dry or impregnated (additional equipment needed) microfibre cloth. We can offer you exactly the right product to carry out such work. This can be flexibly combined with a laminator or used as an upstream stand-alone unit.

### ▲ Cleaning unit combined with SGA-400

4



### ▲ Cleaning unit as individual module

- ▲ Various cleaning widths: 18, 25, 40, 55, 80 mm
- ▲ Dry cleaning or with additional cleaning agent
- ▲ Cloth monitoring
- ▲ Pneumatically cycled cleaning cloth tape feed (adjustable)
- ▲ Simple electrical interface for controlling the unit
- ▲ Easy to integrate into your existing production line



### ▲ Contact person

**Manuel Arenz**

Cleaning Technology Project Manager

+49 6593 998-112

m.arenz@vulkantechnik.de



## Automation

If the manual process is not fully satisfactory and a higher level of automation is needed, we'll be happy to help you find a solution which best suits your needs.

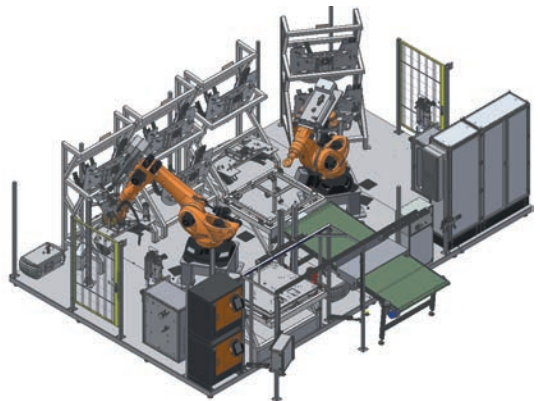


...via **cobot solutions...**



4

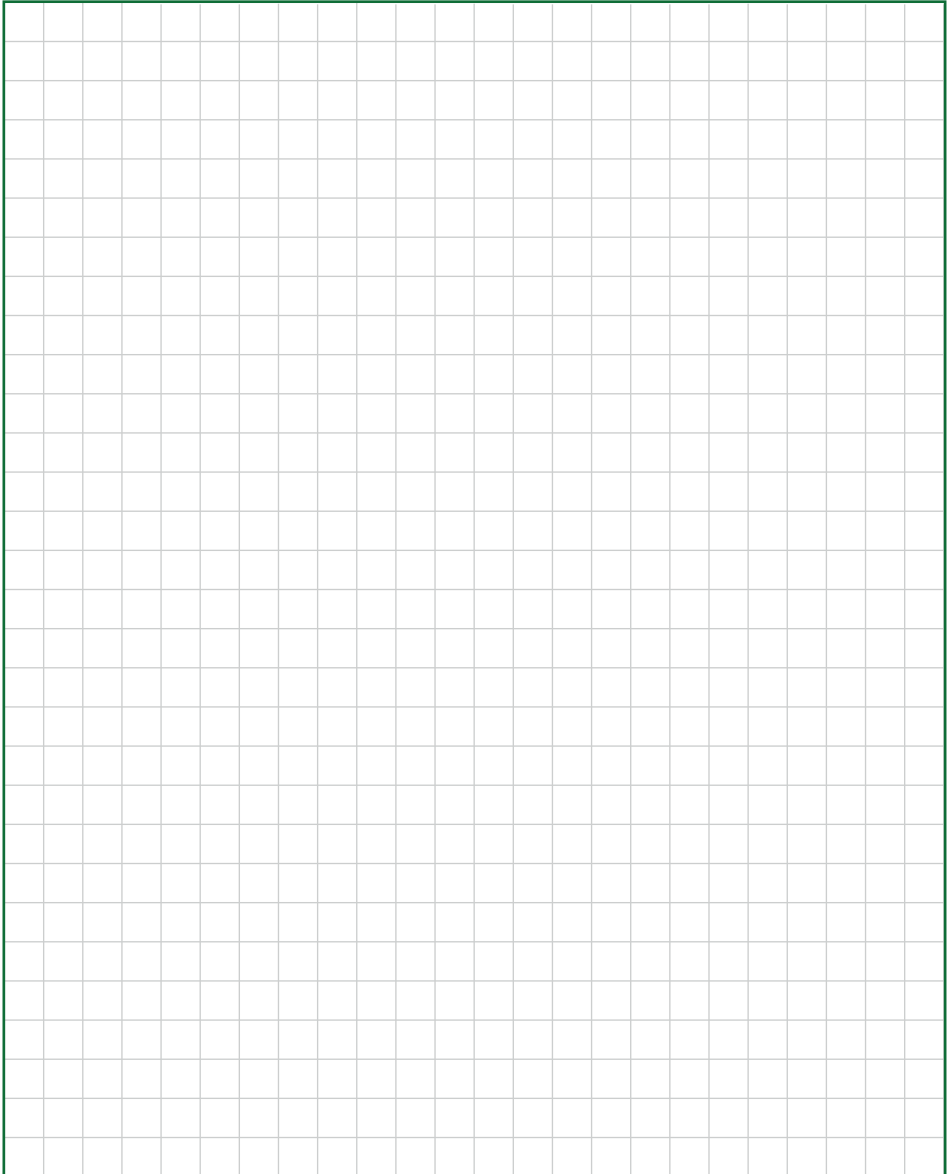
from **semi-automatic solutions...**



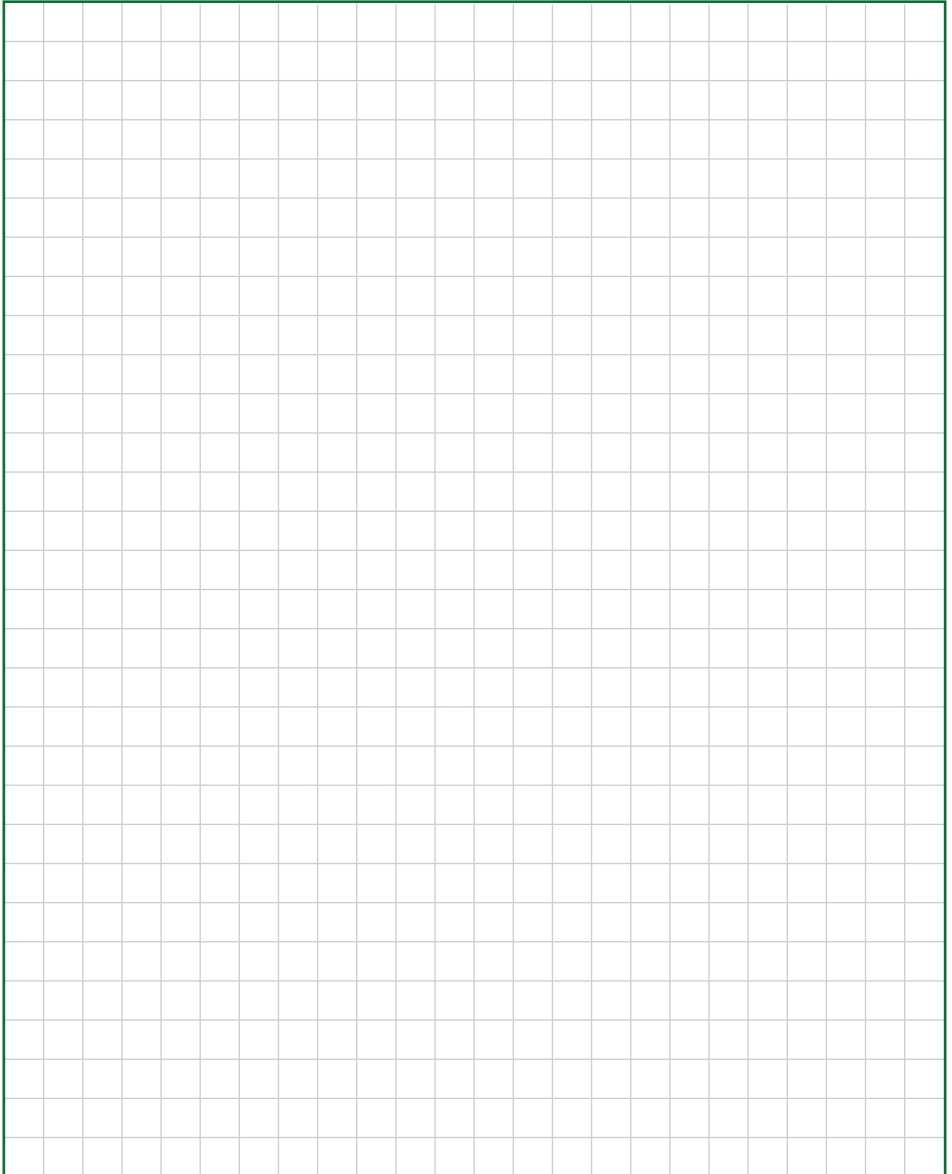
...right up to **complex robot cells.**

**Simply talk to us – let's tape something together!**

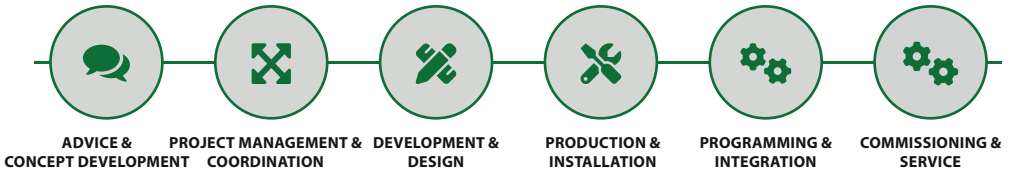
## Notes/Sketches



**Notes/Sketches**



# ▲ From the vision to implementation – one-stop engineering excellence!



Ever since it was founded in 1995, Vulkan Technic has focussed primarily on **developing and building special-purpose machines**. Today, it is one of the foremost plant engineering companies for **automated bonding and joining technology** and for the **surface preparation techniques** involved.

Whether it is just machines operated manually or fully automated systems in online/offline operation, Vulkan Technic will support you in implementing ambitious projects and in achieving your very specific project and development goals.

The company meanwhile has **over 110 highly qualified employees** and has been training specialists in nearly all of its sectors for many years now. Our corporate philosophy centres on providing close and comprehensive process

support, starting with advising our clients and culminating in successful commissioning. For the entire project implementation phase you will be given every help by one of our experienced project managers.

But you can also benefit from our field-proven application experience and customised solution concepts, as well as the individual advice our highly trained staff can provide for your ambitious projects.



## Founded

1995 in Kelberg / Rhineland-Palatinate



## Sites

Wiesbaum / Rhineland-Palatinate  
Bitburg / Rhineland-Palatinate

**110+**  
employees

**3000+**  
systems & machines installed  
**1000+** of which robot solutions

**Weltweite**  
shipment &  
commissioning

**Certificates:** DIN EN ISO 9001:2015

Vulkan Technic GmbH  
Vulkanstraße 1  
D-54578 Wiesbaum

☎ +49 6593 998-0  
✉ [info@vulkantechnik.de](mailto:info@vulkantechnik.de)  
🌐 [www.vulkantechnik.de](http://www.vulkantechnik.de)

**VULKAN**  
Technic