



# MINISTAR <sup>®</sup>

Innovative pressure moulding technique  
for practice and laboratory

*QUICK, COMPACT AND PRECISE.*



# MINISTAR

## The advantages at a glance

### Working temperature reached within 1 second



The working temperature is reached immediately by swiveling the patented heater over the material after scanning or entering the heating time – and the material is thermoformed.

The MINISTAR S<sup>®</sup> utilizes the same proven principles as all SCHEU-DENTAL pressure moulding machines by heating the side of the material which is placed directly over the model, leading to an increase of the surface temperature of up to 60°C. Thanks

to this principle and the working pressure of 4 bar, precise and custom-fitting results for all material thicknesses from 0.1 mm up to 5.0 mm are guaranteed.

The unique thermostatic control of the heater ensures constant heating temperatures, regardless of external influences, such as room temperature and line voltage. Perfectly heated material and reproducible moulds are the result.

**1** Place model on the platform or embed it into pellets and fix material with the locking ring.



**2** Material parameters can be registered by scan technology or ...



**3** ... entered manually.



### Ergonomic pellet container



The ergonomically formed pellet container provides complete control for precise embedding and covering of the models. Excess pellets automatically fall into the channel surrounding the cup and are easily brushed back into the pellet container. Pellet cover avoids adhesion of pellets to the heated soft material and is reusable.

### Clearly set out, large display



The key pad is used to program and monitor all operating parameters, whilst the display shows you all the important information at all times. The working pressure is displayed throughout the pressure moulding procedure. Optical user prompting and acoustic signals support the handling during the work process, e.g., when the heating time elapses. Once the pressure chamber is sealed, the pre-programmed cooling period begins automatically. Its end is signalled both optically on the display and via the LED and acoustically. The AIR key controls the rapid depressurizing of the pressure chamber.





## Scan function with immediate programming

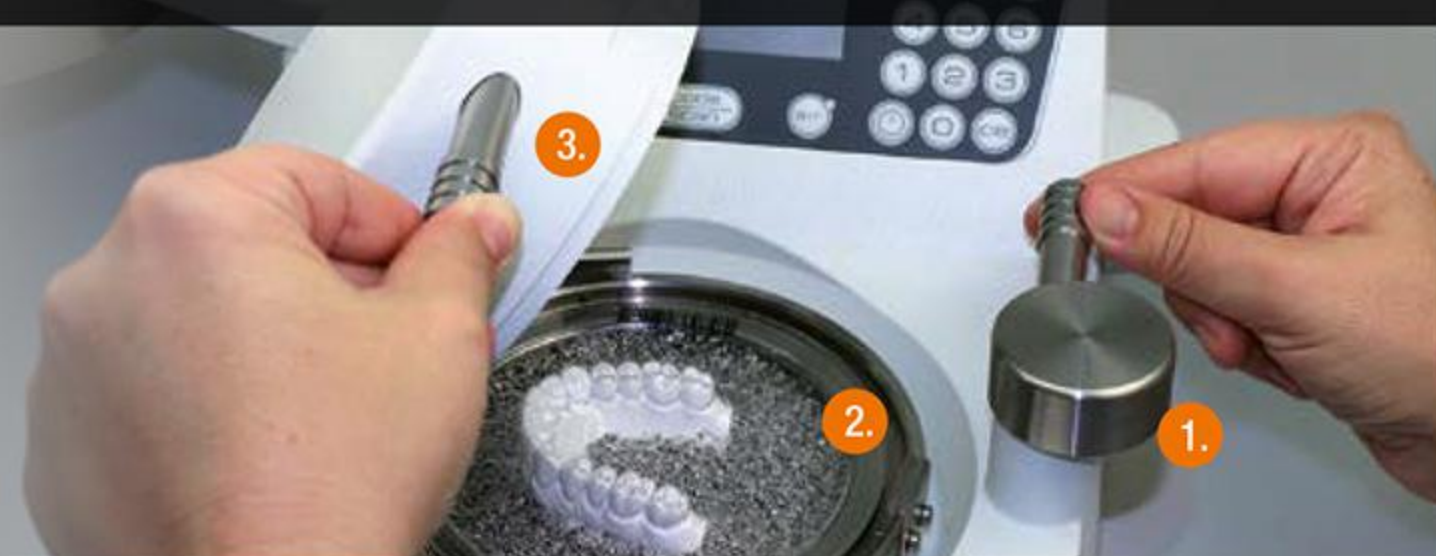


All necessary data such as temperature, heating and cooling times are directly programmed by means of the barcode printed on each SCHEU-DENTAL material. The ergonomic design of the scanner allows utmost ease-of-use. By using the scan function, programming errors or choice of wrong material can be completely avoided. All the necessary information for user prompting and working parameters are shown on the large display during manual input.

**4** After heating time has elapsed, swivel pressure chamber over the model and close locking handle.



**5** After cooling time has elapsed, open pressure chamber: 1. open locking handle, 2. push clamping ring to the left, 3. open pressure chamber



## Features MINISTAR S®

MINISTAR S®	230 V	115 V	100 V
REF	3501	3511	3521
Power	230 V, 750 W	115 V, 750 W	100 V, 750 W
Pressure	0.5 - 4.0 bar	0.5 - 4.0 bar	0.5 - 4.0 bar
Dimensions (W x D x H)	500 x 210 x 400 mm	500 x 210 x 400 mm	500 x 210 x 400 mm
Weight	9 kg	9 kg	9 kg



# MINISTAR

## Extensive range of material



At SCHEU-DENTAL, you will find the right material for each application. Our pressure-moulding material has been tested acc. to the International Guidelines DIN EN ISO 10993 and 7405 with the result that it has been released for clinical use. The barcode on each blank ensures quick and simple handling.



# Compact Machine, great range of applications



## Splints

Material: DURAN®  
or DURASOFT® pd



## Bleaching tray

Material: COPYPLAST®  
or BIOPLAST® bleach



## Surgical guide

Material: DURAN®



## Individual tray

Material: IMPRELON®  
(clear/opaque)



## Moulds for temporaries

Material: COPYPLAST®



## Longterm retainer

Material: Copyplast® C  
or IMPRELON® S pd



## Temp. dentures

Material: BIOCRYL® C  
(rose transparent)



## Orthodontic retainer and expansion plate

Material: BIOCRYL® C



## Mouthguard

Material: BIOPLAST®  
or BIOPLAST® XTREME  
(color or multicolor)



## Positioner

Material: BIOPLAST®  
(transparent)



## Splints for diagnostics

Material: BRUX CHECKER®  
(red oder white)



## Hard/soft splints

DURASOFT® pd with  
DURASOFT® seal  
(clear, blue or magenta)



## Tooth-coloured temporaries and splints

Material: DURAN®+ A2



## OSAMU-Retainer®

Material: IMPRELON® S pd  
BIOPLAST®



## Radiopaque splints

Material: BIOCRYL® Form X



## IST® device

Material: DURAN®



# Why a **Pressure Forming Machine** is better than Vacuum Forming Machine?



**MINISTAR S**<sup>®</sup>  
PRESSURE FORMING MACHINE



**BRAND X**  
VACUUM FORMING MACHINE

Positive Pressure (60 lbs.)



Suction (14 lbs.)

Fully automated



Rely on droop and slump

Predictable heating time



Cooler side of the material in contact with model.

No bubbles and folds. Creates precise fitting of the material



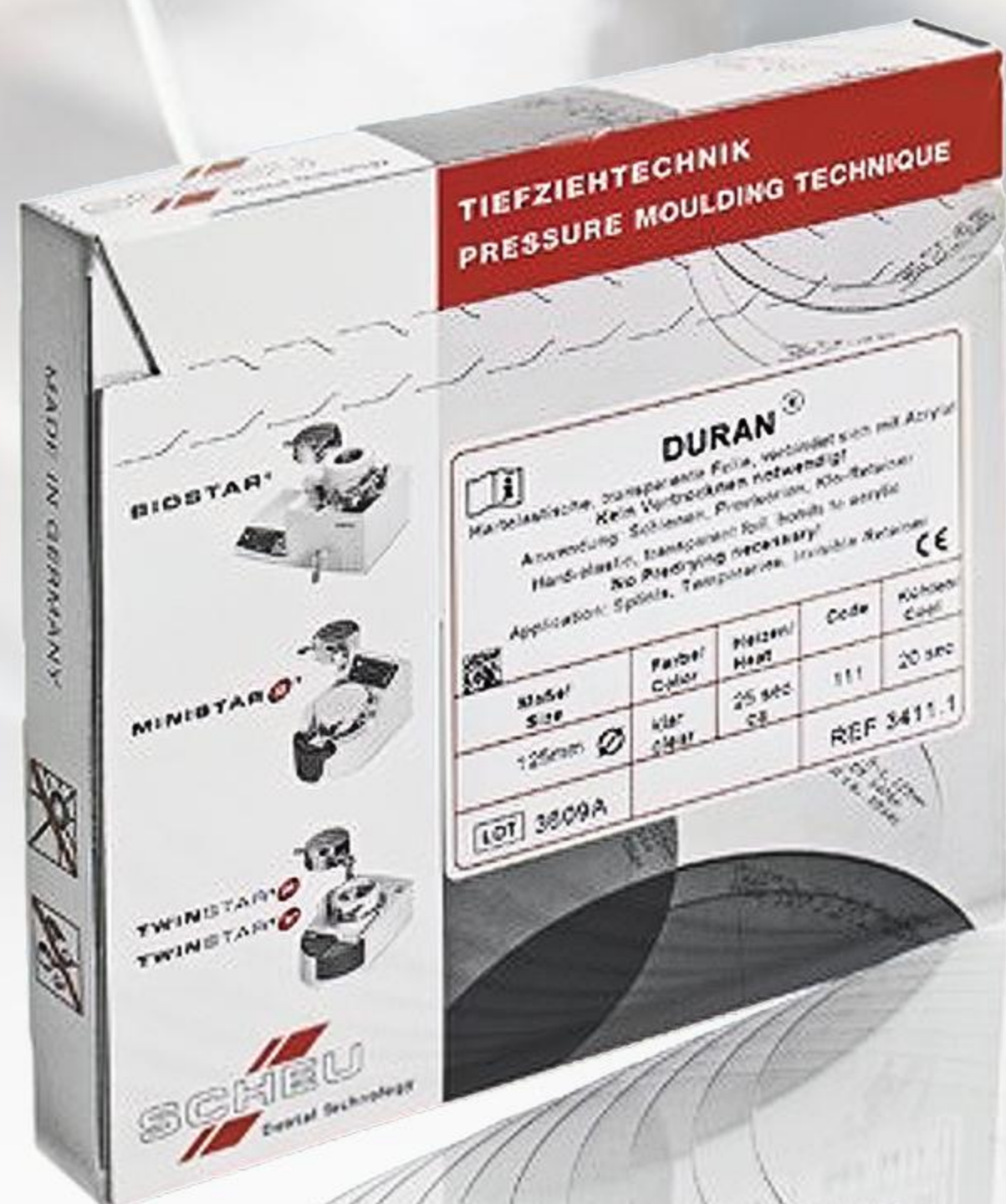
Often with bubbles, creases folds and spaces in the material

Can accommodate a mounted model with pellet system



No ability to form over mounted model





# DURAN®

## Thermofforming Foil Sheet

**DURAN®** is a clear transparent PET-G thermoplastic. The material is tough and abrasio resistant with excellent properties in terms of breaking resistance, elasticity and form stability. DURAN® belongs to the family of polyester resins, combining extremely low water absorption and highest bio-compatibility (it does not require pre-drying). The material has been tested and approved for its biological safety.

Reduction of the thermofforming process.

This material combines well with autopolymerisates.

Suitable for all prosthetic and **orthodontic splint** therapies such as miniplast, splints, bruxism splints with and without adjustment as well as **palatal expansion**, and **clear aligner**.





## PRODUCTS CHANGE. VALUES REMAIN.

For almost 100 years, we have been dedicated to innovation and the highest quality in the field of dental technology. In 1926, dentist Rudolf Scheu founded the company SCHEU-DENTAL, which significantly shaped the industry in the coming decades through research and innovation.

In 2020, SCHEU GROUP bundled SCHEU-DENTAL with its two subsidiaries CA DIGITAL and smile dental to combine their expertise and deliver top quality made in Germany. This ambition has enabled us to establish ourselves as the market leader in the field of dental compression molding, dental sleep medicine and 3D printer dentistry.

Exclusive Philippine Distributor



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