

***ASIGA***<sup>®</sup>

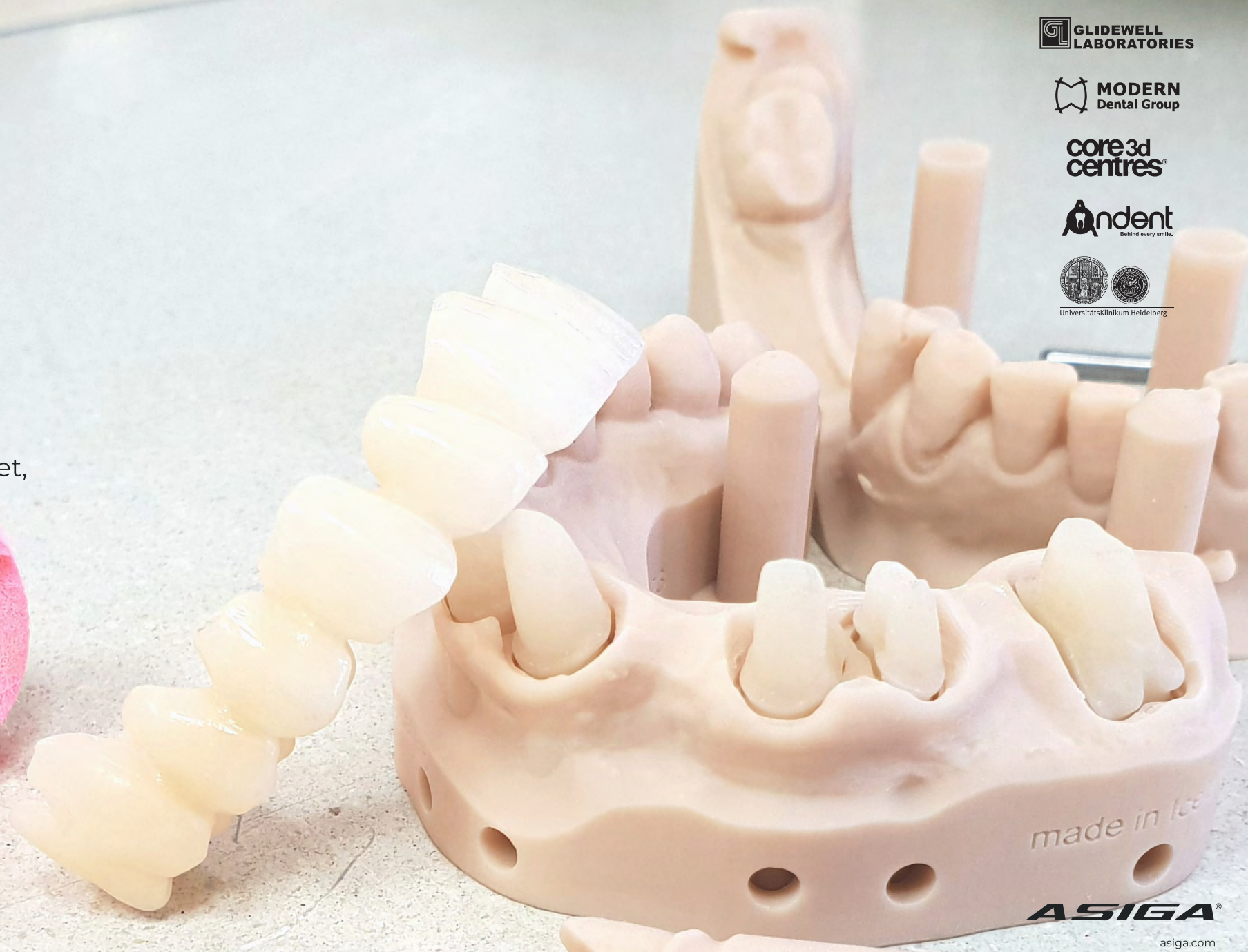
3D printers & materials for dentistry



# Superior surface finish.

Being the creators of the precision desktop 3D printer market, we continue to offer precision, surface finish and product innovations designed to outperform any other.

Designed & manufactured in Sydney, Australia.



# Accurate layer formation.

Asiga process monitoring technologies ensure every layer is formed accurately for a 3D printed output your business can depend on.

## Smart Positioning System - SPST™

Asiga SPST™ technology provides platform positioning feedback ensuring your build platform is where it needs to be for every layer. Z height precision guaranteed.



## Automatic LED power adjustment

Our internal radiometer / light meter provides real-time feedback and automatic cure time adjustment based on actual LED power.

Precise layer curing for every layer.

## Industrial-grade 385nm LEDs

Why 385nm UV LEDs? 3D materials cure faster at deeper UV wavelengths (385nm) reducing XY scattering and over-cure. The result is sharper accuracy, production reliability and the ability to process water-clear materials.

## Accurate pixel placement

Pixel size and pixel placement are crucial for reproducing digital data accurately. Our 3D printers offer a variety of pixel sizes ranging from 27µm through to 80µm.

## Precise material curing

Our open material architecture allows for any suitable material to be printed. We accommodate many material specific curing behaviours providing you with a Plug & Play solution for many of the worlds leading dental 3D printing materials.

Accuracy study

Validated for medical

# Predictable outcomes.

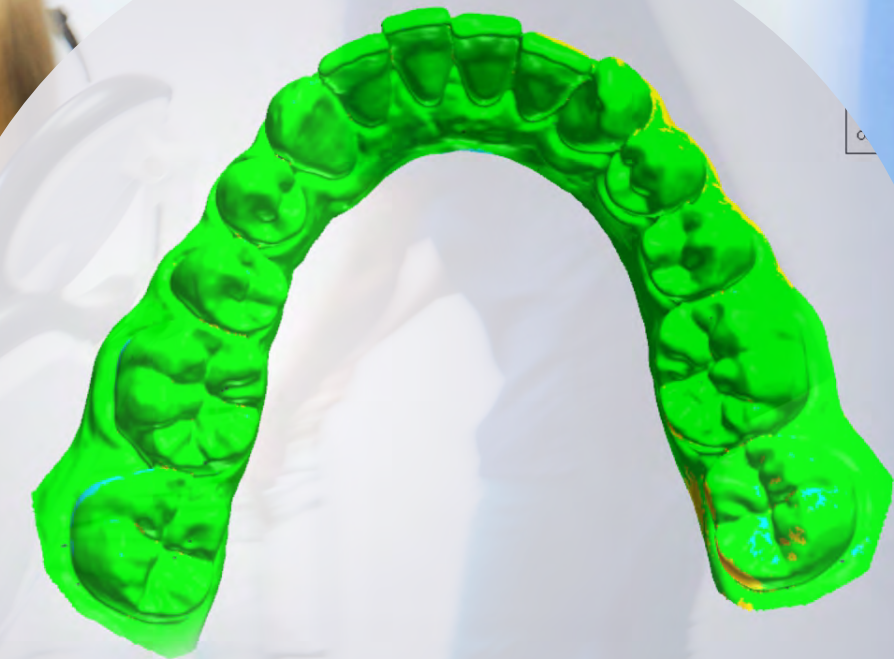
Reliably manufacture dental appliances in the dental laboratory or clinic on any Asiga 3D printer.

Quality assurance for production continuity and patient safety.

🦷 Dental laboratory

🦷 Dental clinic

🦷 Orthodontics



Over 93% of data points within 50 microns of the original CAD file.  
Standard deviation 31 microns.

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500+ materials  
Open material architecture

# Material freedom.

Unlimited and unrestricted access to over 500 industry-leading materials. Future-proof your investment and stay up-to-date with the latest dental material technologies.

myerson

keystone  
industries

Dentsply  
Sirona

GC

DENTCA  
CAD/CAM DENTURE

DETAX

Graphy

ArmaResin

VERICOM

Whip Mix

Dreve

SAREMCO

Hp dent

AMANN GIRRBACH

VOCO

KULZER  
MITSUI CHEMICALS GROUP

pro3dure  
medical

ASIGA

SCHEU

BEGO

DMG

AMERALABS

dentona  
NEW WAY DENTAL TECHNOLOGY

DeltaMed  
TURNING IDEAS INTO MATERIALS

NextDent  
by Vertex Dental

BASF  
We create chemistry

ARGEN

newstetic  
USA

LIQCREATE

Henkel

PacDent

Garreco  
PRINT

3Dresyns

SHERA  
WERKSTOFF  
TECHNOLOGIE

RESINWORKS3D

ROXEL3D

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Asiga materials

A material for every application

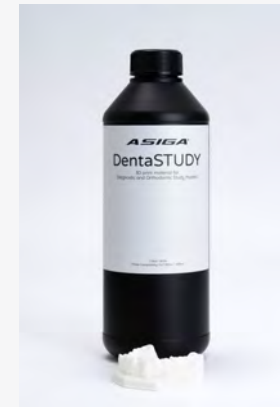
# Asiga materials.

High performance dental materials optimised for Asiga 3D printers and any suitable 3D printer.

Biocompatible regulatory compliance available.



DentaMODEL



DentaSTUDY



DentaFORM



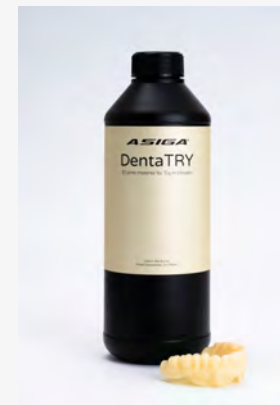
DentaGUM



DentaCAST



DentaGUIDE



DentaTRY



DentaTRAY



DentaIBT



DentaBASE



DentaTOOTH

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# MAX UV

Minimum footprint, maximum productivity.  
At home in the Dental Laboratory and the Dental Clinic, the MAX UV is the industry benchmark for precision 3D printing.



## Technical Specification

Build Size X, Y, Z	119 x 67 x 76mm
Pixel size	62µm
Technology	DLP imaging with Asiga's integrated SPS™ technology and auto-calibrating radiometer / light sensor.
LED Wavelength	385nm UV industrial grade LED.
Material Freedom	Unrestricted and unlimited access to more than 500 industry-leading materials.
Production	Manufacture all dental appliances. Designed and built for the dental laboratory and dental clinic.
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, PLY, STM (Asiga Stomp file format)
Network	Wifi, WirelessDirect, Ethernet
Power requirements	100-240VAC, 50/60Hz, 2.0A MAX
System sizing	260 x 380 x 370mm / 16.50Kg. 10.2 x 15 x 14.5 inches / 36.4Lbs
Packed sizing	410 x 500 x 480mm / 19Kg. 16.1 x 19.7 x 18.9 inches / 41.9Lbs
Warranty	12 months manufacturers warranty
Technical support	Unlimited lifetime technical support - included
Bundle includes	Asiga Composer software, Asiga dental material, Asiga Flash curing chamber, calibration toolkit

# PRO 4K80 UV

3D print precision meets volume.  
High volume production with 4K imaging technology to bring you exceptional 3D print precision at scale.



## Technical Specification

Build Size X, Y, Z	217 x 122 x 200mm
Pixel size	56µm (4K mode)
Technology	DLP imaging with Asiga's integrated SPS™ technology and auto-calibrating radiometer / light sensor.
LED Wavelength	385nm UV industrial grade LED.
Material Freedom	Unrestricted and unlimited access to more than 500 industry-leading materials.
Production	Manufacture all dental appliances. Designed and built for the dental laboratory and dental clinic.
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, PLY, STM (Asiga Stomp file format)
Network	Wifi, WirelessDirect, Ethernet
Power requirements	100-240VAC, 50/60Hz, 500 Watts (100V - 5Amp Max. 240V - 2.1Amp)
System sizing	465 x 540 x 1370mm / 140 kg    18.3 x 21.2 x 53.9 inches / 309 lb
Packed sizing	900 x 700 x 1540mm / 205 kg    35.4 x 27.6 x 60.6 inches / 452 lb
Warranty	12 months manufacturers warranty
Technical support	Unlimited lifetime technical support - included
Bundle includes	Asiga Composer software, Asiga dental material, Asiga Flash curing chamber, calibration toolkit



Composer 2.0

Simple, intuitive build setup

# Composer 2.0

Simple, powerful, intuitive and smart.

Asiga Composer 2.0 is the trusted link from your design program to your Asiga 3D printer.

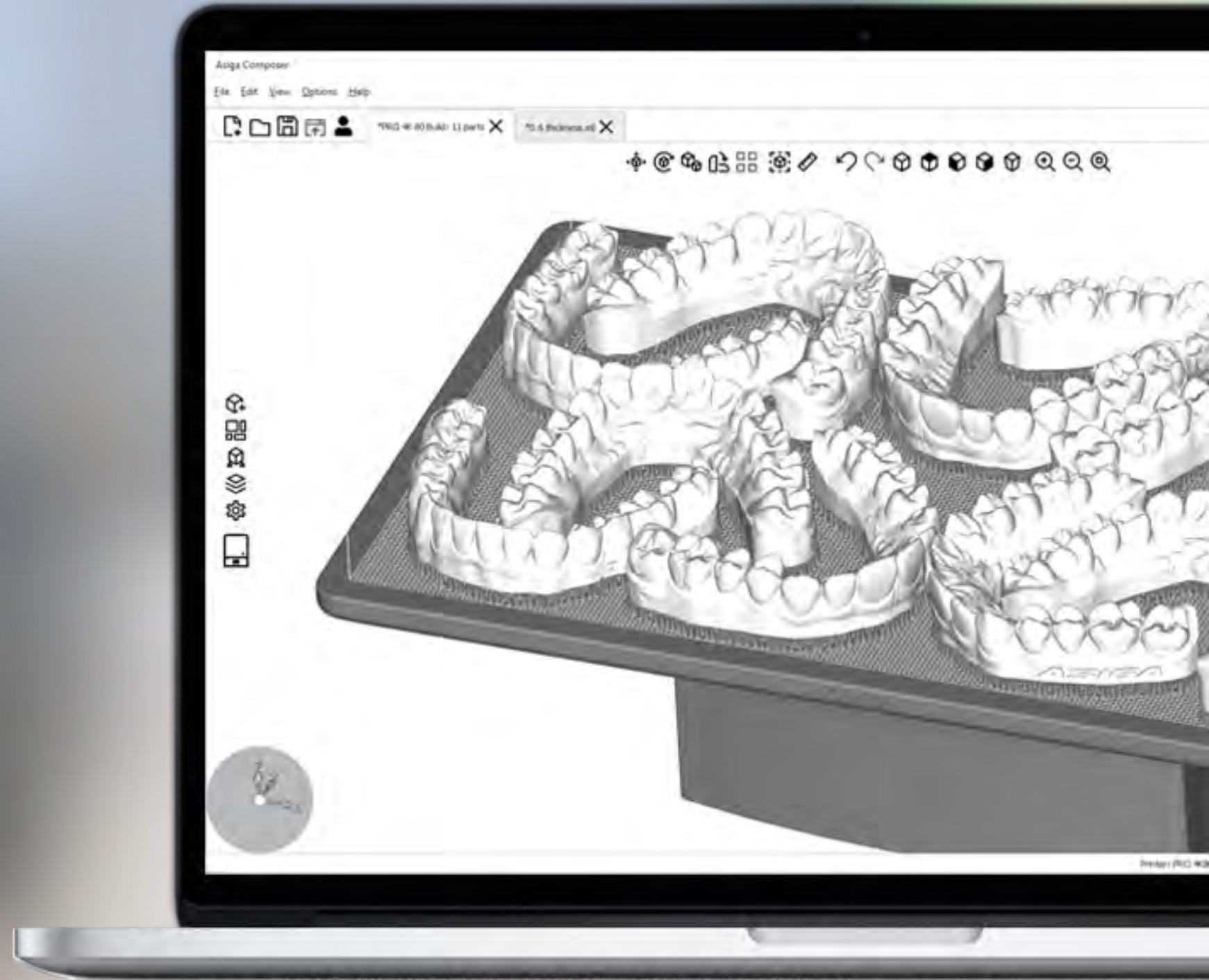
Included with every Asiga 3D printer, lifetime updates included.

Compatible with



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Lifetime support

Unlimited and free.

# Lifetime support.

Receive unlimited lifetime technical support for free via our Customer Service Centre and global offices located in Australia, USA and Germany.



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