

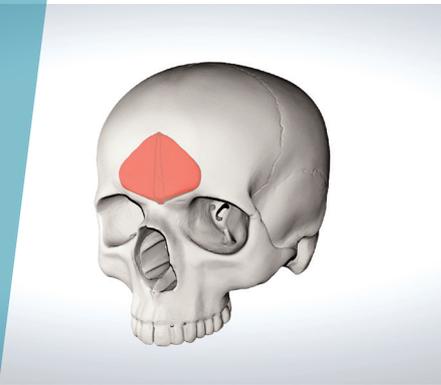
CMF/NEURO

PRODUCT

HIGHLIGHTS

# Skull models for Craniomaxillofacial and Neuro education

**SYNBONE is one of the world's leading hightech companies developing a wide variety of artificial realistic anatomical workshop models for hands-on training, especially for Craniomaxillofacial (CMF) and Neuro surgery education. As details make the difference SYNBONE developed an anatomically more realistic Skull product portfolio which performs a much broader spectrum of applications while reducing the production costs at the same time.**



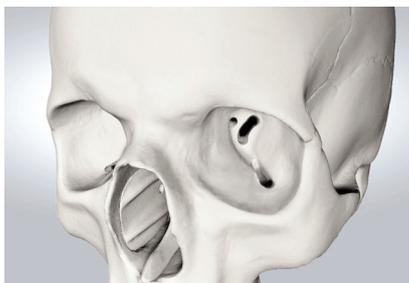
Frontal sinus



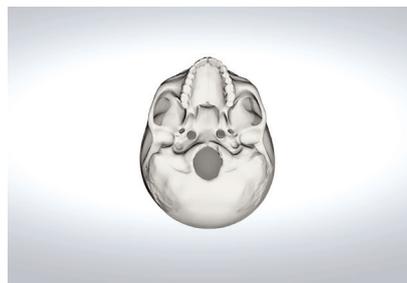
Maxillary sinuses



Nasal septum



Orbita with optic canal, superior and inferior orbital fissures



Foramen ovale, spinosum, lacerum, magnum and canalis caroticus



Brain incl. dura and ventricles



Mandible incl. dental holes with or without cancellous bone



Fractured Skull



Skull with holder, frontal sinus, maxillary sinuses, septum, brain with ventricle insides, dura and mandible



While evaluating methods used were brainstorming with several medical professionals and partners, adapting the existing production process and using new production technologies with 3D-software.

#### MEDICAL PROFESSIONAL VIEW

«The new SYNBONE Skull model is anatomically more realistic compared to the previous one. It features more details. The frontal sinus is included and a version with brain including dura is also available. Add to that the occlusion is illustrated substantially and corresponds to the human model.»

*Prof. Dr. med. Dr. med. dent. M. Ehrenfeld*

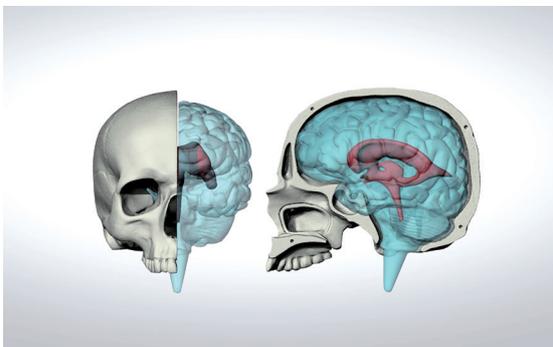


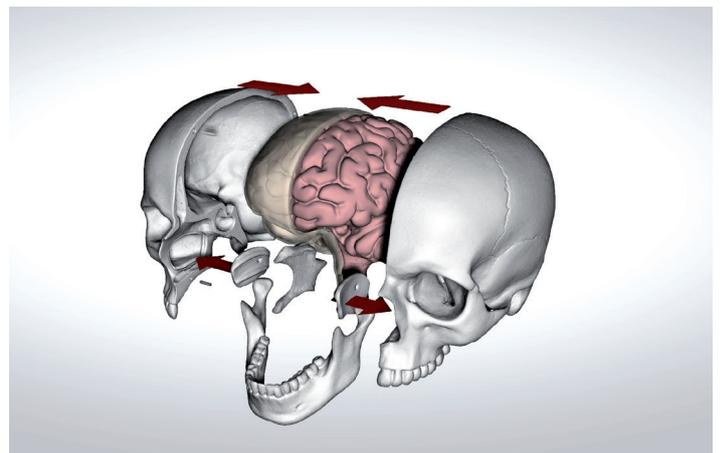
Image of a Skull – brain model inserted

#### HIGHLIGHTS

**Having a closer look into this anatomically more realistic Skull the following details make the difference:**

The frontal red coloured sinus has been created for more realistic endoscopic training. Followed by the maxillary sinuses with a self-contained hollow including cover plate. The nasal septum is included as well. The orbita including eye canal and both fissures has also been put into practise. If the Skull is turned upside down the different foramen for covering the superior aspects become obvious.

Especially for the neurosurgery the brain is created much more realistic including dura and ventricles inside which will serve for puncture exercises. The different Mandibles can be clipped to the Skull easily. The Skull is also available with different types of fractures. This Skull model is new on the market and unique in the Neuro education field.



Skull – divided in six parts - 3D technology

For more information on SYNBONE CMF Models please visit the website [www.synbone.com](http://www.synbone.com) or contact us directly.



Innovation from SYNBONE: Heinz Hügli explains the concept of the new skull model.

«We work hard to ensure our customers are satisfied with our products and remain long-term partners with SYNBONE.»

## SYNBONE AG in numbers

**Founded** 1988

**Head Office** Malans, Switzerland

**Production Facility** Malans, Switzerland and Johor Bahru, Malaysia, Southeast Asia

**Production Area** 4200 m<sup>2</sup>

**Products** 1000 different products

**Raw Material** 22 ton Polyurethane

**Distribution** Worldwide in 51 countries

**Sales** Over 300'000 products per year

**Customers** Implant manufacturers, hospitals, educational organizations and Universities.

### Information on SYNBONE

SYNBONE continues to grow in the world market. Started in Filisur, Switzerland in 1988, SYNBONE today is manufacturing 1,000 different anatomical models with realistic properties.

Own Research & Development department and production including worldwide distribution in 51 countries.

Our regional sales partners are listed on our web page.

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