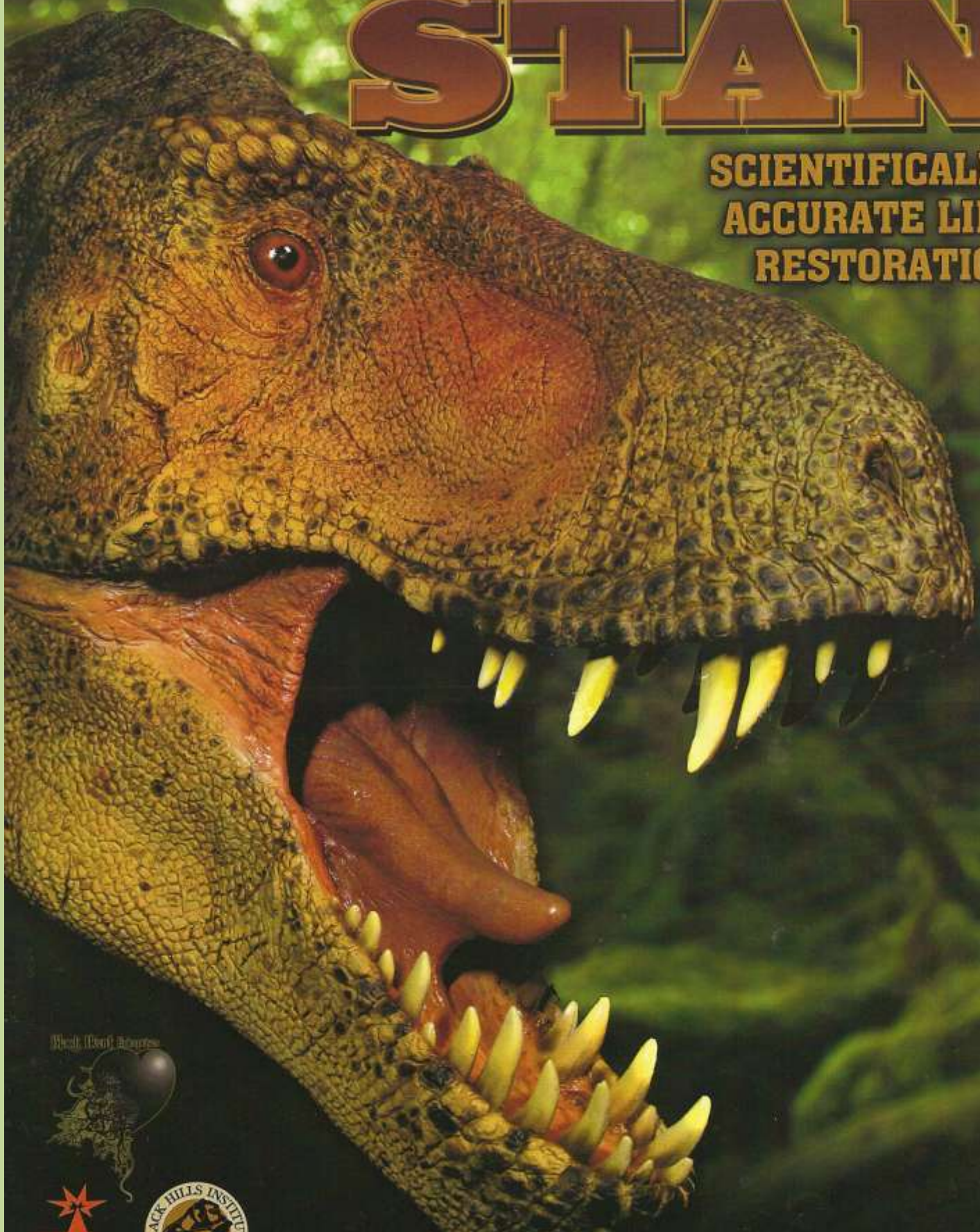


**TYRANNOSAURUS REX**

# STAN

**SCIENTIFICALLY  
ACCURATE LIFE  
RESTORATION**



West Coast Artworks



Sculpture by Michael Berglund. Paleontological consultants Peter Larson, Dr. Robert Bakker.  
Molding and casting by MNFX. Buildup and paint by Steve Riojas.



King Kong (1933) famously battled T. rex



STAN's skull digitized and rendered



BHI Staff excavating a T. rex in the Montana Badlands



STAN was nearly 40 feet long and 12 feet high at the hips



The perfectly accurate scale skull emerges from the rapid prototyping machine.



An extremely rare impression of actual T. rex skin



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# TYRANNOSAURUS REX STAN

The most fearsome predator to ever walk the planet, Tyrannosaurus Rex (Tyrant King) has fascinated people since the first specimen was named in 1905. Since then, this Cretaceous Carnivore (67-65.5 MYA) has captivated the popular imagination like no other creature. In books, magazines, movies, museums and pop culture, T. rex is KING. From the original King Kong (1933) to Jurassic Park (1993) and beyond, filmmakers and artists have created several different looks to T. rex, drawing partly on science, partly on fiction. Here for the first time is STAN--a REAL T. rex, in the FLESH.

This is a unique flesh-on reconstruction of STAN, the second most complete, second largest T. rex ever unearthed. STAN has what many Paleontologists believe to be the finest dinosaur skull ever found. Why? In life, T. rex skull bones were "disjointed", to allow for flexibility while it was chomping down with its powerful bite. During fossilization, most T. rex skulls have been crushed and distorted—but STAN's skull bones uniquely drifted apart over time, making them the least distorted, most accurate set of T. rex skull bones there are. They fit together perfectly, preserving the best snapshot we have of this incredible animal in life.

Excavated and prepared by Peter Larson and the Black Hills Institute of Geological research, the original exquisitely prepared skull of STAN is housed in Hill City, South Dakota.

The original specimen--thirty nine individual elements--has been painstakingly CT scanned into a computer, with a resolution finer than a grain of sand. The resulting data was output in 1/6 scale, making it a perfect replica of the original specimen in miniature.

Artist Michael Berglund, in consultation with BHI's Peter Larson, one of the world's top experts on T. rex, has recreated the head and neck of the fearsome creature in unprecedented detail, directly on top of the scaled laser output of the actual skull. The result—incorporating some of the latest knowledge and scientific theories, is one of the most accurate, lifelike, and detailed T. rex reconstructions, ever. It's a literal portrait of this single animal, STAN himself--in the flesh.

A few important details to note. STAN's skull has evidence of several pathologies, or injuries, preserved in its surface. Holes, gouges, and chips in his face—that could only be made by one thing, another T. rex! Yes, STAN survived some mighty battles with his kin, including a potentially lethal CHOMP to the back of his neck, that remarkably healed, fusing vertebrae in his neck!

STAN was one tough T. rex. All of the actual injuries to the skull and neck are depicted dramatically in the flesh of the sculpture.

Additionally, this sculpt incorporates a new theory about the anatomy of T. rex ears that has not been seen before. Dr. Robert Bakker, of the Houston Museum of Natural History, and a paleontology legend, formulated the theory of forward facing ear holes based upon the anatomy of the skull bones themselves, and the soft tissue and musculature of modern owls. The result is an unorthodox and provocative new depiction of T. rex ears that has never been done sculpturally before, one that pairs the functionality of binaural hearing with T. rex's stereoscopic vision. Dr. Bakker has personally approved the sculpture as an accurate rendering of his theory.

Additionally, the skin texture used in this model is based upon small samples of actual T. rex skin that have recently come to light. It just doesn't get any more accurate or lifelike than this!