HOSS DESIGN USA

• INNOVATION • PRODUCT DEVELOPMENT • 3D SCANNING
• REVERSE ENGINEERING • PROTOTYPING • MANUFACTURING SOLUTIONS

COMPANY OVERVIEW

Hoss Design USA LLC is a Fort Lauderdale-based innovation and product development company. We turn ideas and complex challenges into functional, manufacturing-ready products through product design, 3D CAD, prototyping, 3D scanning, and reverse engineering.

CORE COMPETENCIES

• **Product Design & Development:** Concept development, industrial design, 3D CAD, prototyping, and production-ready design.
• **Vehicle & Mobility Systems:** Develop components and systems for automotive, specialty vehicle, and mobility applications.
• **Custom & Mission-Specific Equipment:** Develop specialized products and equipment for unique operational requirements.
• **Design for Manufacturing (DFM):** Optimize materials, geometry, processes, assembly, and production efficiency.
• **Prototyping & Additive Manufacturing:** Functional prototypes, 3D-printed parts, fit checks, and design validation.
• **3D Scanning & Reverse Engineering:** High-accuracy scanning and CAD reconstruction for reproduction, modification, and manufacturing.

DIFFERENTIATORS

• **Creative Problem Solving:** Develop practical solutions when conventional approaches fall short.
• **Idea to Production:** Take concepts through CAD, prototyping, refinement, and manufacturing preparation.
• **Smarter Manufacturing:** Find alternative methods to reduce complexity, cost, and production challenges.
• **Design Optimization:** Simplify products through better geometry, materials, part consolidation, and assembly.
• **Production-Focused Design:** Balance function, accuracy, manufacturability, speed, and cost.
• **Custom Solutions:** Develop products and systems when existing solutions do not meet the requirement.
• **Scan, Rebuild & Improve:** Reconstruct existing parts with high-accuracy 3D scanning and CAD while preserving critical dimensions.

INTERNAL R&D / TECHNOLOGY DEVELOPMENT

AstroDrift X™ - Dual-Purpose Astronaut Post-Recovery Mobility System

AstroDrift X™ is an internal R&D project focused on a dual-purpose mobility system designed for astronaut post-recovery transfer/transport and assisted walking rehabilitation.

✓***Voice Command***
✓***Autonomous Charging Pads***
✓***Triangular Wheels***
✓***Brushless Servo Motors***
✓***Data Capture: distance, speed, gait, lower-limb loading, body weight, muscle mass***

Note: AstroDrift X™ is an independent R&D project of Hoss Design USA LLC. It is not NASA-sponsored, NASA-approved, or affiliated with any NASA program.

CONTACT INFORMATION

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BUSINESS LOCATION

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COMPANY DATA

Legal Name: Hoss Design USA LLC
Legal Structure: Limited Liability Company
Business Size: Small Business
SAM.gov: Registered
UEI: E7KGXSQ46F17
CAGE Code: 16YY0

State of Inc.: Florida

NAICS CODES

541715:	Research and Development in the Physical, and Life Sciences (except Nanotechnology and Biotechnology) (PRIMARY)
541420:	Industrial Design Services
541690:	Other Scientific and Technical Consulting Services
332710:	Machine Shops — includes custom additive manufacturing / 3D-printed parts