

# FRASCA

F L I G H T S I M U L A T I O N



**SIMULATION SOLUTIONS**

1958

Founded

2700+

Simulators

70+

Countries



Frasca Headquarters Urbana, IL

# FRASCA LEGACY

Founded in 1958 by aviation pioneer Rudy Frasca, Frasca International has deep roots in general aviation and was built on dual foundations of providing effective pilot training and improving aviation safety. Over 60 years later, the company is led by John Frasca and the mission remains the same. Better Simulators. Safer Pilots.

Our commitment to providing the best simulation equipment available is evident in everything we do, from product innovation and superior quality to our personal approach to service and support.

We provide our customers with simulators they can count on, day in and day out. Simulators that are manufactured and engineered to provide accurate and realistic training experiences.



Rudy Frasca



John Frasca

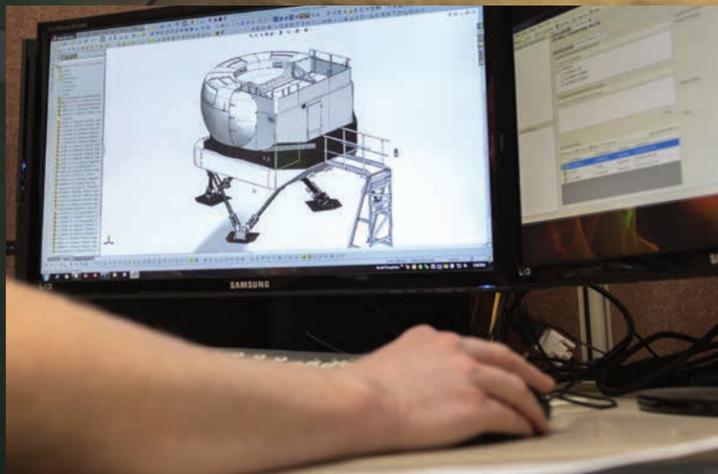
**“ BUILDING INNOVATIVE SIMULATION PRODUCTS IS NOT JUST WHAT WE DO, IT'S WHO WE ARE. ”**

# ENGINEERING

Frasca's simulators are engineered for optimal performance, realism and reliability. This is made possible by a very experienced engineering team. Frasca engineers play a significant role in what makes a Frasca simulator unique.

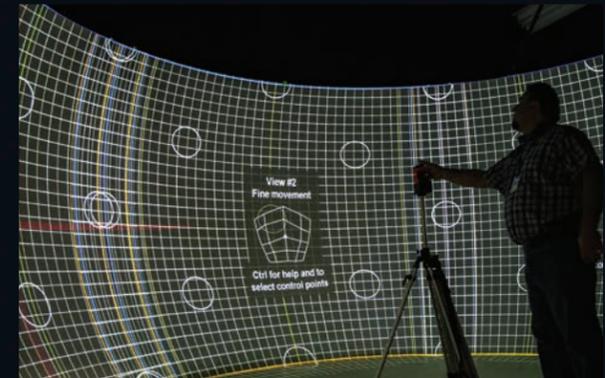
## HARDWARE

Our Hardware Engineering team is focused on accurately recreating aircraft cockpits with high quality components. On upper-end simulators, the cockpit is virtually indistinguishable from the cockpit of the real airframe. Additionally, hardware components are built and sourced to create the highest quality, longest lasting devices in the industry.



## VISUAL SYSTEMS

Our Visual Systems Engineering team can provide our own turn-key visual system solution or integrate our systems with other well known providers. Flight training locations are modeled in high-resolution, providing accurate portrayals of runways, ramps and airport buildings – as well as accurate depictions of the areas surrounding the airport. Special emphasis is put on 3D modeling for rotor craft training.



## SYSTEMS SOFTWARE

Our Systems Software engineering group creates and integrates the software that make the simulations come to life. These engineers create the code that simulate aircraft avionics, including glass cockpits, transponders and radio stacks. Additionally, they are responsible for our Instructor Operating Station, allowing flight instructors to control all aspects of the simulation from a touch-screen monitor.



## AERONAUTICAL

Our Aeronautical Engineering team is responsible for the physics of flight, equations of motion, and the blade element rotor model. After instrumenting and testing an airframe, this team uses the data collected to build an accurate flight model. Our flight fidelity is amongst the best in the business, providing student pilots with realistic and accurate aircraft performance.

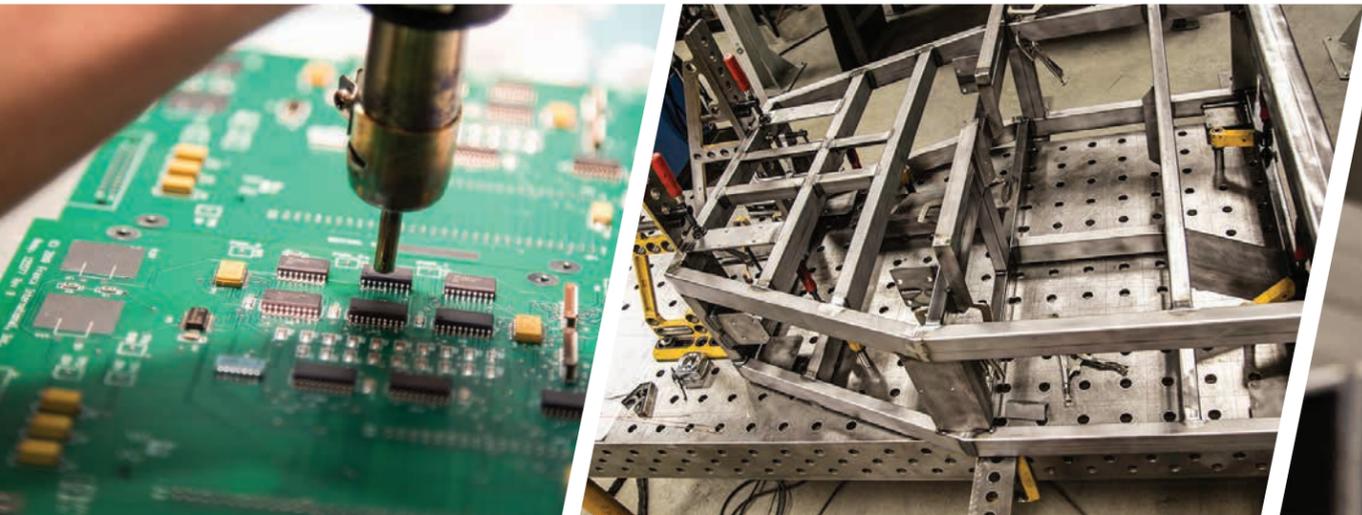


# MANUFACTURING

Frasca's manufacturing team is dedicated to the highest levels of quality and to meeting our customer's delivery schedules. Our Factory was designed to accommodate all phases of simulator manufacturing, from CNC machining, to harness assembly, fiberglass to paint, fabric to striping, it all happens here! Our 80,000 square foot facility includes a high bay, machine shop, paint shop and more.

The manufacturing group is continuously developing and improving manufacturing methods to ensure the highest possible level of value, quality and products to meet our customers' needs.

Your simulator will be manufactured under strict quality standards.



## Manufactured for Performance

Frasca devices have a reputation for durability and reliability. That's because we don't cut corners with materials or manufacturing processes. Our devices are rugged and robust from start to finish. We know our devices will be used to train hundreds of pilots and will be in service for many years.

**Frasca International is an ISO9001:2015 registered company.**

By meeting these international quality standards, Frasca's Manufacturing departments in cooperation with our Quality team, ensures our customers that products are constructed in compliance with all applicable drawings, specifications and requirements.

Machining

Welding

Fabrication

Composites

Wiring

Finishing

Upholstery



Typical Cockpit Procedures Trainer - CPT



Mentor Archer: A Flight School Staple



*Frasca HTD  
Proven to improve proficiency  
in safety maneuvers for  
helicopter pilot training*



*Frasca RTD  
High level engineering  
integrated into an  
affordable training tool*

**“ WE STRIVE TO EXCEED YOUR EXPECTATIONS SO YOU CAN MEET YOUR FLIGHT TRAINING OBJECTIVES. ”**

# STARTING OUT

Our entry level devices are anything but status quo. You won't have to sacrifice quality for affordability. Frasca offers products that are high quality, realistic and affordable. Our newest reconfigurable training device (RTD™) is designed for the smaller school, as multiple units for larger schools or as a supplement to existing simulators. The RTD™, HTD™, Mentor™ and CPT products provide affordable training options to meet a variety of training budgets.

# FLIGHT TRAINING DEVICES: AMAZING REALITY AND FIDELITY

Frasca excels in Flight Training Devices. We've built hundreds of custom devices for a wide range of aircraft types, certification levels and training requirements. Frasca has the flexibility to provide you with the solution for your simulation requirements. Our team will work with you from start to finish, from initial design to final acceptance ensuring your device meets your expectations.



*Cessna 172 Level 5 FTD*



*Piper Seminole FTD*



*Robinson R44 FTD*



*Cessna 172 FTD*

## Fixed Wing Experience

Our fixed wing Flight Training Devices are in use at top flight training organizations worldwide. We go above and beyond industry standards for our customers. Our products include devices for major aircraft including: Cessna, Piper, Diamond, Cirrus, Beechcraft, etc. Frasca leads the industry in high fidelity, custom built FTDS that meet strict qualification requirements.

## Rotary Wing Expertise

With an impressive range of rotary wing products, our dedication to providing the best in helicopter simulation is obvious. We utilize advanced flight testing capabilities to capture high-fidelity data and provide realistic simulated learning environments for complex mission training. High tech features include NVG compatible cockpits, FLIR systems, vibration platforms, motion cueing systems and full motion bases. Frasca's helicopter devices are in use by civil and military organizations worldwide.



CJ1+ Level D FFS



Bell 206 Level 7 FTD  
on Frasca's Motion  
Cueing System



Cirrus SR20 FTD



TBM 930 FTD

## MAXIMUM FIDELITY & TECHNOLOGY

For the most demanding simulation requirements, Frasca provides advanced Level 5-7 Flight Training Devices and Level B-D Full Flight Simulators. Each FTD and FFS is customized to meet specific training and certification requirements. In addition to numerous FTDs, Frasca has delivered Full Flight Simulators for a variety of fixed wing and rotary wing aircraft including the CJ1+, KingAir, Cessna Caravan, Bell 412, Bell 407, S92, S76, and EC225. We use the latest technology for optimal realism and transfer of training.



CJ1 FTD



Bell 407GX Level D FFS



# ***SUPPORT***

Once your simulator is delivered, we've only just begun our customer service. The Frasca team is committed to making sure your simulator performs exactly how it should and provides the best training tool for your business. Our sales team, project managers and customer service departments will do what it takes to make sure your experience with Frasca is second to none.

- Immediate Phone Support
- On-Site Service
- Global Part Shipments
- Web Support Center



*Simulation Beyond Expectations*

*TruVision Global™*

FRASCA is a world leader in the design and manufacture of Flight Simulators, Flight Training Devices and simulation components. With a proven reputation for delivering high quality simulation equipment, Frasca leads the industry in simulation technology.

Since its founding in 1958, over 2700 Frasca simulators have been delivered worldwide. Frasca is ISO 9001:2015 certified.



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**FRASCA**  
FLIGHT SIMULATION