Avilon Flight Deck Equipment

- **Complete with instrument panel (shipped assembled)**

- **12.1" Touch-Enabled Pilot & Co-Pilot Primary Displays (qty. 2)**
  - » Extensive and intelligent use of touch control
  - » PFD: airspeed scale, path deviations, flight path vector, and synthetic vision
  - » HSD: with map, synthetic vision, TAWS, straight and curved paths, radar and traffic
  - » VFD™ (Vertical Flight Display): altimeter, flight path angle, energy ball™, vertical flight plan path, terrain profile view
  - » VSD (Vertical Situation Display): with vertical profile, terrain profile view, altitude constraints, altitude limit, climb capability display
  - » ComStrip™: continuously shows active transceiver frequencies
  - » MFD (Multi-Function Display): with multiple screens for flight plan editing, communications, alerting details, system management
  - » DCP (Display Control Panel): hard controls provide instant access to most-needed functions

- **8.4" Touch-Enabled Pilot and Co-Pilot Secondary Displays (qty. 2)**
  - » Extensive and intelligent use of touch control
  - » Graphical flight planning
  - » Engine instrumentation
  - » Measured fuel quantities
  - » Calculated fuel quantities
  - » Flap position
  - » Fuel range
  - » DCP (Display Control Panel): hard controls provide instant access to most-needed functions during flight planning operations

- **AHRS (qty. 3 including 1 standby)**

- **ADC (Air Data Computers) (qty. 3 including 1 standby)**

- **WAAS GPS (qty. 2)**

- **FMS (Flight Management System) (qty. 2)**
  - » Supports single pilot or two pilot operations
  - » Fully compliant NextGen path capability
  - » RNAV/RNP including RF legs
  - » LPV approaches
  - » RNAV/RNP SIDs and STARs
  - » RNAV/RNP to ILS final approach

- **VOR/ILS Receiver (qty. 2)**

- **PGP™ (Path Guidance Panel)**
  - » Single point tactical control
  - » Tactical operations integrated with flight plan
  - » Direction control – track or heading
  - » Supports Flight path angle, speed-based climb or descent

- » Altitude Limit and Altitude Hold
- » LNAV and VNAV including coupled approach
- » Autopilot /Flight Director Engage/Disengage
- » See What's Next™ Lateral and Vertical Preview displays
- » Emergency mode providing standby flight instruments

- **Auto Pilot / Flight Director Computer (qty. 2)**
  - » High Performance 3D Path following
  - » Stall and over-speed protection
  - » Servo amplifier driving the existing auto pilot servos (qty 1)

- **VHF Com Radios – 20 watt (qty. 2), 8.33Khz capable**

- **Audio Systems (qty.2)**
  - » Fully digital, controlled from the primary displays
  - » Separate pilot and co-pilot mixers and amplifiers
  - » Supports passenger cabin speaker operations
  - » Fully redundant, including emergency audio modes

- **TAWS Class A**

- **Mode S Transponder (qty. 2)**
  - » 250 watt, 1030/1090ES (ADS-B In/Out)
  - » Supports diversity antennas
  - » TCAS compatible

- **ADS-B Receiver (978)**
  - » Provides supplemental TIS and weather data

- **Radar altitude**
  - » Interfaces with existing radar altimeter

- **Radar**
  - » Interfaces with existing radar

- **Standby power supply**
  - » Provides 45 minutes of Avilon standby power in the event of complete electrical system failure

- **External Radios**
  - » Supports audio for external com radios (up to 4)
  - » Control interface for parallel tuned radio (optional, qty 1)
  - » Arinc 429 external radio tuning (up to 3)

- **Data recording**
  - » 100+ hours
  - » Wireless maintenance downloads

- **WiFi connectivity**
  - » Secure internet connection available on ground
    - – Program uploads
    - – Database uploads
    - – Flight plan uploads
    - – Maintenance data download
  - » Secure iPad wireless interface

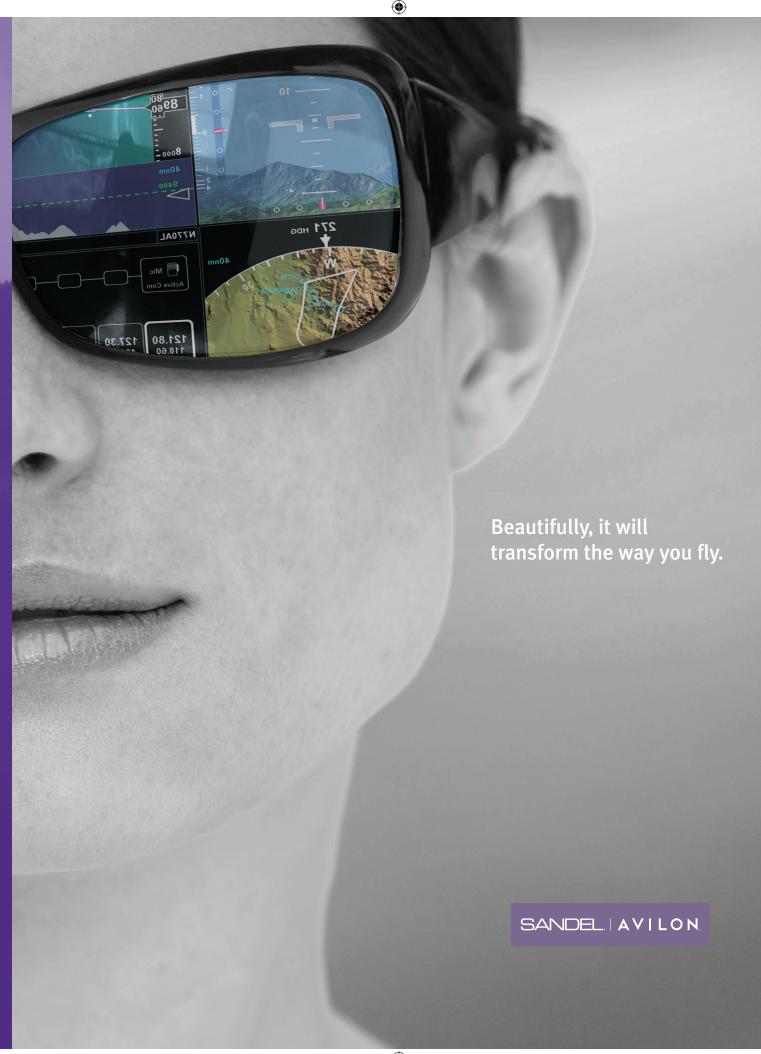### Certified Sandel Avilon Installation Centers

SIGNATURE
TECHNICAIR
Aircraft Maintenance
A BBA Aviation company

ROCKY MOUNTAIN AIRCRAFT

»CUTTER»
LEADING THE BUSINESS OF AVIATION™

STEVENS AVIATION

WesternAircraft
A GREENWICH AEROGROUP COMPANY

www.sandel.com/avilon | 760-727-4900

Beautifully, it will transform the way you fly.

Fly a path fully visualized.

SANDEL | AVILON

Beautifully Designed. Beautifully Built. Beautifully Priced.

Lateral Guidance Preview

Vertical Guidance Preview

Vertical Situation Display

LNAV/VNAV

HDG/TRK

FPA/SPD

Path Guidance Panel

FD/AP Selection

Primary Flight Display

Vertical Flight Display

Display Control Panel

Control Strip™

Horizontal Situation Display

Audio Jacks

Primary Display

Multifunction Display (MFD) Touch Screen

Graphical Editing Map

Secondary Displays

Engine Instruments

Primary Display

Charge Port

Designed for the Beechcraft King Air Series.

Sandel® Avilon®
Revolution comes to the King Air cockpit.

Welcome to Sandel Avilon. The first flight deck designed for Performance Based Navigation, from the inside-out.

Architected to be easier to use and safer to fly. Avilon is designed expressly for the King Air, making installation as efficient as it makes flying.

Its unique unitary design comes as a prewired assembly. The panel installs in a single installation step, replacing the LRU's, instruments and their wiring harnesses all at once with a modern system of small, integrated components.

Revolutionary simplicity that makes it possible to modernize your aircraft in as little as five days.

Long Live the King Air - Avilon Equipped.

SANDEL | AVILON