

Business Jet *interiors*

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JULY 2016

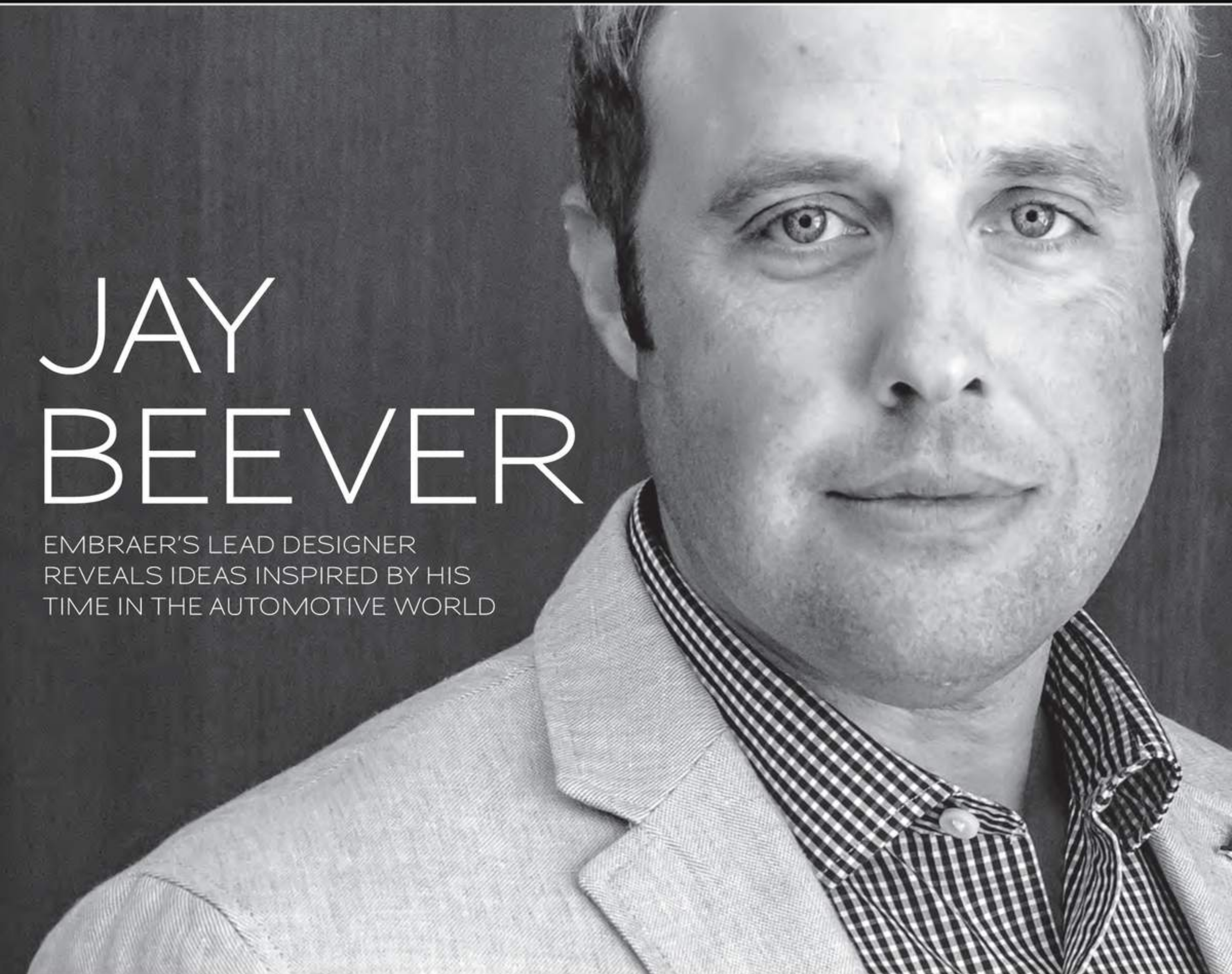
JAY BEEVER

EMBRAER'S LEAD DESIGNER
REVEALS IDEAS INSPIRED BY HIS
TIME IN THE AUTOMOTIVE WORLD

COMPLETIONS IN ASIA
Is it worth establishing a VIP completions business in Asia to cater to local demand?

GYM EQUIPMENT
How to work through the numerous technical challenges involved in installing exercise equipment

WINDOW DEVELOPMENTS
What innovations lie ahead for this crucial component of business jet cabins?





COSMOS INSPIRES CONSTANT'S LATEST GULFSTREAM V REFURB

This Gulfstream V interior was reconfigured and refurbished by Constant Aviation. The custom design, also completed by Constant Aviation, takes its cue from the cosmos.

Production began in October/November 2015 and was completed in February 2016. The work included modifications to the galley, seats and divan; as well as wi-fi, CMS and avionics upgrades.

The aircraft will be used by a private owner for both domestic and international travel.





Q&A

Scott McCool

VICE PRESIDENT OF OPERATIONS,
CONSTANT AVIATION



Constant Aviation installed Gogo Biz wi-fi with Talk and Text, Satcom Direct wi-fi for international coverage and Honeywell's Ovation Select CMS. The avionics were upgraded to include ADS-B out and TCAS 7.1.



The credenza and TV cabinet were built from scratch. The TV can be lowered into the cabinet at the press of a button when no longer required.



New cabinets were created using two species of exotic dark veneers – Recon Ebony and Recon Black Ebony from Custom Plywood. At the customer's request, Constant Aviation also created a world map inlay for the top of the credenza.



Constant Aviation reupholstered the seats with new lines and stitch patterns, using leather from Townsend Leather.



A particularly striking detail is the carpet, which was custom designed and produced specifically for this aircraft by Scott Group Custom Carpets. It was designed to adapt to the palette throughout the cabin and also adds dimensional interest.



Other material choices included black Ostrich print leather from Edelman Leather, used on the lower sidewalls; Ultraleather Linen by Tapis with Kalogridis Design for the windowlines; Ultraleather by Tapis for the headliner/PSU; and plating by Signature Plating.

What work was completed in-house?

All items were completed in-house; we didn't outsource anything. The design team met with the customer to understand their vision for the interior and create a custom design. Then our in-house team created a 3D rendering of the interior, and our in-house engineering team worked with the interior team on the new cabin layout. We completed all the interior reconfigurations, avionics upgrades and STC work.

What brief did the owner give you?

There was a strong desire for the interior to retain a classic and orderly look, but with a distinct flair when it came to material choices. It was decided that the theme would be the cosmos, and the designer developed a very unique palette of colors and textures. The customer wanted three distinct cabin sections. The forward section is set up to be used for business, the middle section is designed for relaxation and entertainment, and the aft section for dining.

Have any new materials been used?

Every material is new or a custom design. Sculpted materials were used in atypical areas such as the window panels and divan. The windowline material was a first of type and was custom milled.

What's your favorite detail?

There are so many great details – this was such a different cabin design, right from the start. The carpet was one of the first materials to be decided on. We fell in love with that design, which influenced other aspects. Another nice detail is how the credenza and mid-cabin monuments seem to float, rather than look fixed like normal furniture.

How did you ensure the timescale was adhered to?

With any large interior refurbishment project, setting milestones in the beginning is crucial to staying on pace for an on-time delivery. Our planning process begins long before the aircraft arrives at our facility. The interior design team will often travel to meet the customer to discuss their vision for the aircraft. It's important that we have a clear understanding of the customers' expectations for the look of the aircraft. Once the design phase is finalized, we assign a dedicated project manager to oversee the job from start to finish. The project manager serves as the single point of contact who coordinates with all departments – interior, avionics, maintenance and engineering. This project manager holds the teams accountable to meet the project's set milestones. Progress is discussed at weekly team meetings.

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