You're correct that I initially focused more on **desktop or office-specific brands**, but there are plenty of high-quality chairs designed for various environments that can still be used at a desk. Considering this, I'll revise the list to include manufacturers like **KAB Seating**, who make ergonomic chairs for specialized environments (such as control rooms), but whose products are also highly suitable for desk work due to their focus on comfort and durability.

Top 10 Manufacturers of High-Quality Ergonomic Chairs for Desk Work in Any Environment

1. **Herman Miller**

- **Aeron Chair**
- Advanced ergonomic features like adjustable PostureFit SL for customized lumbar support.
 - Breathable mesh material ensures temperature regulation during long work hours.
 - Smooth tilt mechanism for natural movement and recline.
 - **Embody Chair**
 - Pixelated back support that adapts to your spine, relieving pressure points.
 - Designed for long sitting sessions with maximum comfort and breathability.
 - Promotes healthy posture with backrest that conforms to the spine's natural curve.

2. **Steelcase**

- **Leap Chair**
 - LiveBack technology that moves with your spine to ensure continuous support.
 - Fully adjustable, including armrests, seat depth, and lumbar support.
 - Breathable and durable fabric for long-lasting use.
- **Gesture Chair**
 - Supports a wide range of sitting postures, perfect for multi-tasking environments.
- 3D LiveBack technology adapts to your body throughout the day.
- Generous seat cushion designed for comfort and reduced leg fatigue.

3. **Humanscale**

- **Freedom Chair**
- Self-adjusting recline feature minimizes the need for manual adjustments.
- Adjustable headrest and lumbar support for all-day comfort.
- Minimalist design with intuitive features, reducing complexity.
- **Diffrient Smart Chair**
 - Weight-sensitive recline mechanism that automatically adjusts.
 - Frameless mesh back for breathability and adaptive spinal support.
 - Simple adjustments make it an easy-to-use ergonomic solution.

4. **KAB Seating**

- **KAB Executive**
 - Heavy-duty design for 24/7 use, ideal for control rooms but also comfortable at desks.
 - Adjustable lumbar, recline, and armrest features to maintain ergonomic comfort.
 - Robust construction with premium materials for extended durability.

- **KAB Director**
 - Padded comfort for long work sessions, with extra lumbar and headrest adjustments.
- Tilt, recline, and 24/7 durability make it suitable for both desk work and intensive work environments.
 - Built for longevity with a heavy-duty frame and high-quality cushioning.

5. **Okamura**

- **Contessa II**
 - Synchro-tilt mechanism for fluid recline with smart controls for easy adjustment.
 - Flexible mesh back for optimal support and breathability.
 - Highly adjustable for personalized lumbar and seat depth customization.
- **Sylphy**
 - Adjustable back curvature for better spine support, suitable for various body types.
- Sleek design with minimalistic controls that offer effective ergonomic support.
- Perfect for both office and home workstations.

6. **Knoll**

- **ReGeneration Chair**
- High-performance elastomer back that moves with the user for consistent support.
- Eco-friendly materials and sustainable design.
- Adjustable lumbar and tilt tension for customized seating comfort.
- **Chadwick Chair**
 - Mesh suspension seat and backrest for even weight distribution and breathability.
- Simple but highly effective ergonomic adjustments for better posture.
- Ideal for modern work environments with a minimalist design.

7. **Haworth**

- **Fern Chair**
- Unique wave suspension system that provides continuous spine support.
- Fully adjustable seat and armrests to fit various body types and preferences.
- Comfortable for long hours, with an aesthetically pleasing design.
- **Zody Chair**
 - Endorsed by the American Physical Therapy Association for ergonomic excellence.
 - Adjustable lumbar and pelvic support for better posture alignment.
- Suitable for 24/7 use, making it durable for high-demand environments.

8. **Autonomous**

- **ErgoChair Pro+**
- Frameless design with adaptive spinal support for complete freedom of movement.
- Breathable mesh and eco-friendly materials.
- Dynamic tension and tilt adjustments for personalized ergonomic support.
- **ErgoChair Core**
- Affordable yet highly ergonomic, with adjustable lumbar and headrest.

- Designed to encourage correct posture during long work hours.
- Simple but effective recline and tilt mechanisms for comfort.

9. **Branch**

- **Ergonomic Chair**
 - Lumbar support and seven points of adjustment for ultimate comfort.
 - Sleek design with a focus on breathability and support during long work sessions.
 - Flexible materials that adapt to body movements for constant support.
- **Task Chair**
 - Highly adjustable armrests, seat height, and lumbar support for better posture.
- Ideal for compact spaces, but still maintains ergonomic excellence.
- Perfect for long workdays with smooth recline and tilt controls.

10. **ErgoHuman**

- **ErgoHuman Chair**
- High adjustability, including back height, seat depth, tilt, and armrests.
- Breathable mesh back and seat for excellent airflow during extended periods of sitting.
- Ergonomically designed to relieve pressure points and provide continuous lumbar support.
 - **ErgoHuman Elite**
 - Combines mesh and leather for a premium feel with ergonomic support.
 - Full adjustability for personalized comfort.
 - Durable materials make it ideal for long-term use in demanding environments.

Why These Brands Stand Out:

- **Durability**: Many of these brands, like KAB Seating and Herman Miller, offer chairs designed for continuous, long-term use (e.g., 24/7 control rooms).
- **Ergonomics**: Each manufacturer focuses heavily on spinal support, posture correction, and comfort, which are critical for productivity during long hours of desk work.
- **Versatility**: The chairs in this list can be used across a variety of settings, from traditional office environments to more specialized workplaces, without sacrificing comfort or functionality.

This revised list accounts for ergonomic chairs built for a range of environments but still highly suited for desk work.