Orbit 60
PROTECTION — CONDITION MONITORING — OR BOTH
The most advanced Bently Nevada rack system ever

After 60+ years and over 100,000 racks installed worldwide, we’ve learned and evolved what works best through five successful generations of full-featured platforms culminating in our new Orbit 60, able to meet the needs of every industry where critical machinery is found.

Powerful, compact, and flexible

6U double-height
fits in same space as 3500, but holds 50% more channels
When upgrading, enables reuse of panel cutouts without modification

3U standard rack
60+ channels in just 19” x 5.2” x 9.7”
Translates directly into cost savings since cabinets can be more densely populated and more efficiently used

Half-rack
24+ channels in just 11.5” x 5.2” x 9.7”
Perfect for panel or bulkhead-style mounting where space is at a premium

The features you asked for
Our design process included more than 100 focused customer engagements to identify your biggest requirements in a new platform.

- Cyberware machine protection
- Condition monitoring
- Lower installation costs or higher density flexibility
- Lower cost-effective data integration

Delivered by three new technology concepts

connex™
Compact and simple
- Single interface for data flow in both directions between the monitoring system and the process control/ Historian
- Enables cybersecurity by connecting only to the control network—not the business network

aXess™
Robust and cybersecurity
- Patented SIL-capable solution
- Protection and condition monitoring use same VIA, yet function independently for zero interference
- Allows data flow from protection to condition monitoring, but not the other way around
- Full bi-directional configuration abilities between users and the condition monitoring layer

Xtend™
- Connect multiple chassis and up to 80 dynamic channels with a virtual digital backplane
- Deploy as a conventional “single” rack, or as a distributed rack
- Up to 2 km distance between chassis
- Triple-redundant chassis cabling for mission-critical protection applications
- Single cable for condition monitoring only applications

Globally certified

WANT TO LEARN MORE?
bentley.com