



Company Presentation



- ▶ The Company
- ▶ Organisation
- ▶ The Kairos Curve
- ▶ Curve Spares
- ▶ Company Infrastructure



The Company

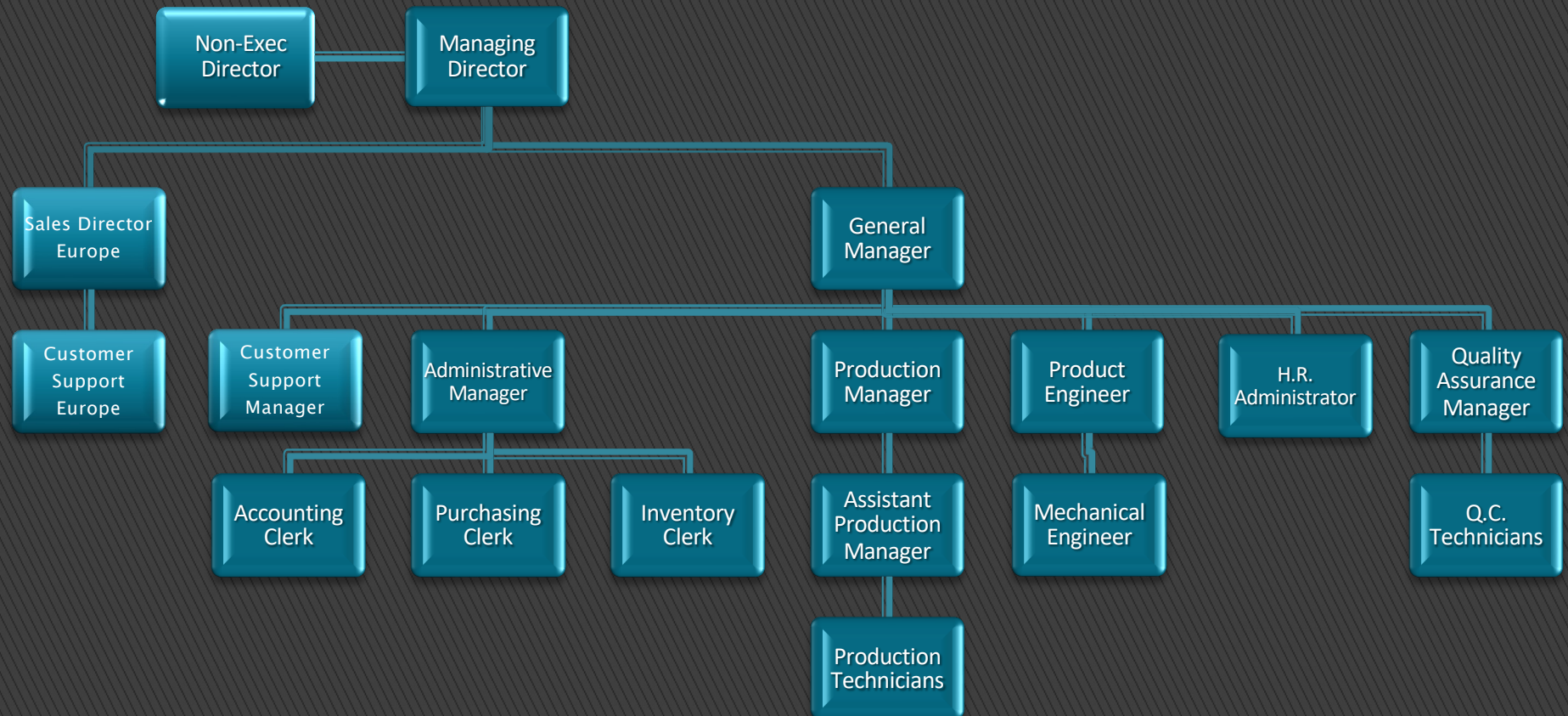


Lot PLO 29, Jalan Teknologi 6,
Kawasan Perindustrian Mengkibol
Kluang 86000
Johor
Malaysia

Established 2014

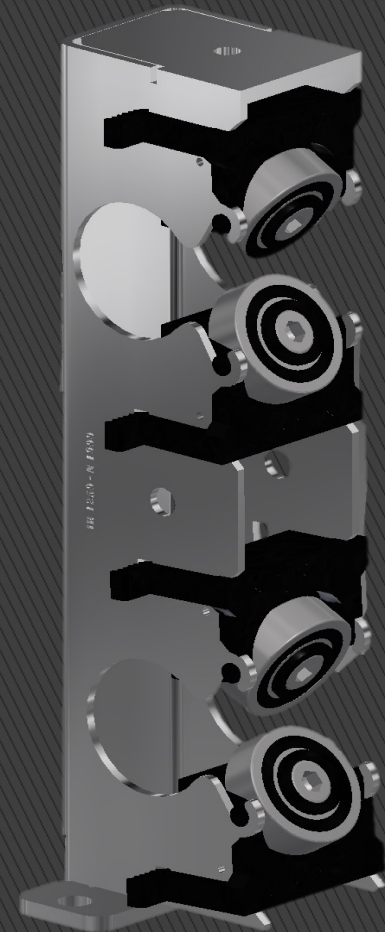
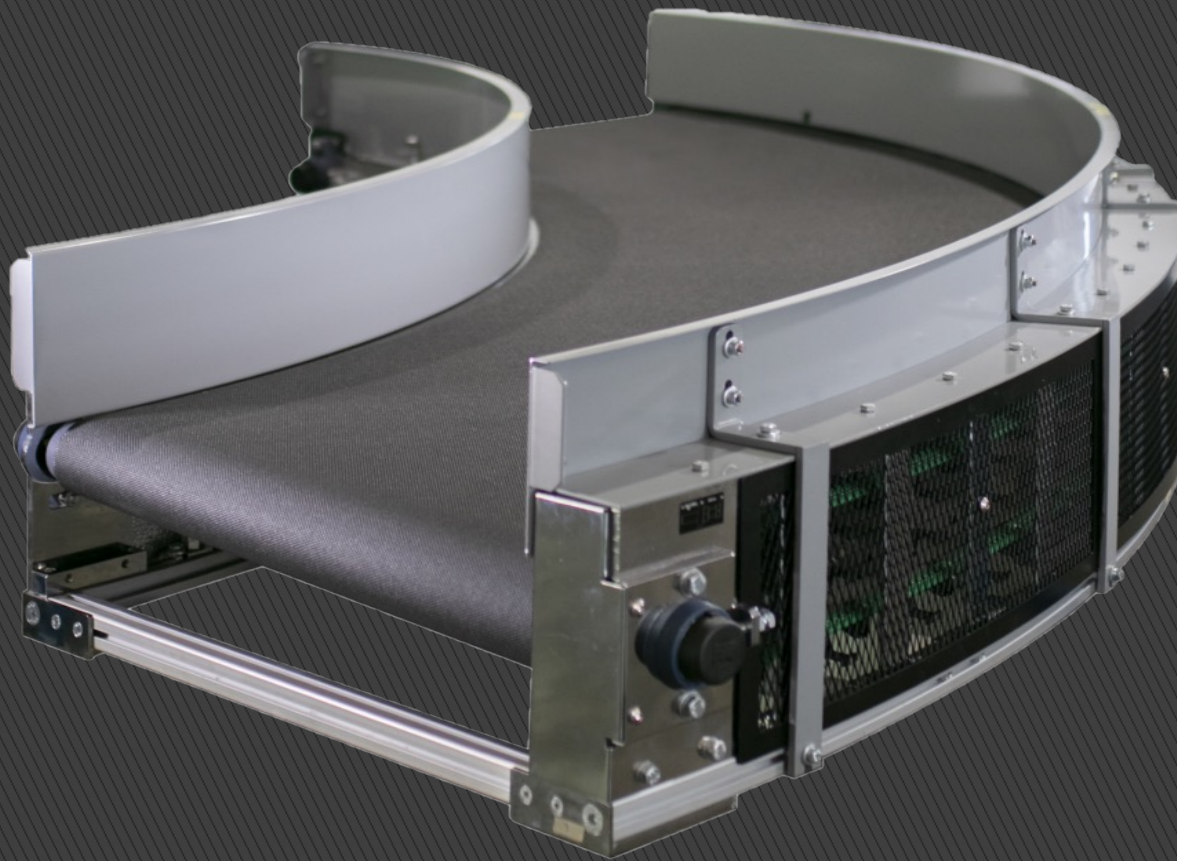


Organisation Chart





The Kairos Curve



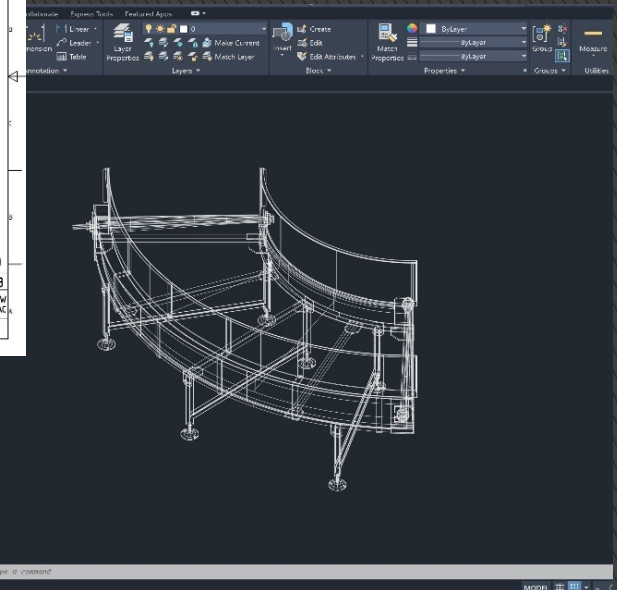
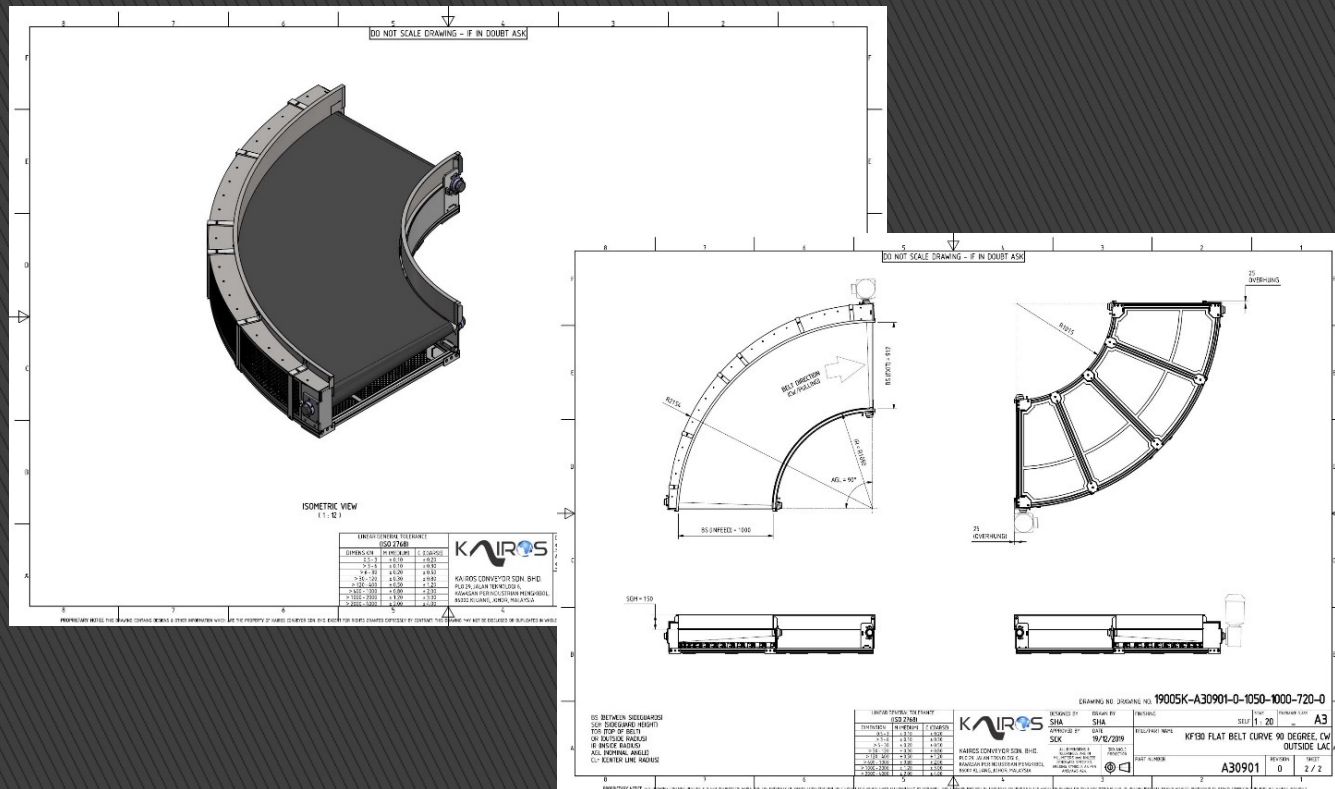


- ▶ We comprise a team of curve specialists which collectively has over 150 years of expertise in the design, fabrication, installation and maintenance of powered belt curves.
- ▶ We have utilised this experience to ensure the optimum design of curve in terms of precise geometry, ease of maintenance and correct material selection for extreme environmental conditions
- ▶ Since establishment, our aim has been to design a robust and extremely reliable curve conveyor to the market that is competitively priced, without compromising on exceptional quality.
- ▶ Our vision is to become a preferred partner for conveyor modules, parts, & reasonably priced spares to integrators who provide turnkey services to the baggage handling, freight / parcel handling & the distribution market, through a partnership borne of respect and understanding, excellence in quality, timely delivery, and a reliable global customer support network.



Engineering

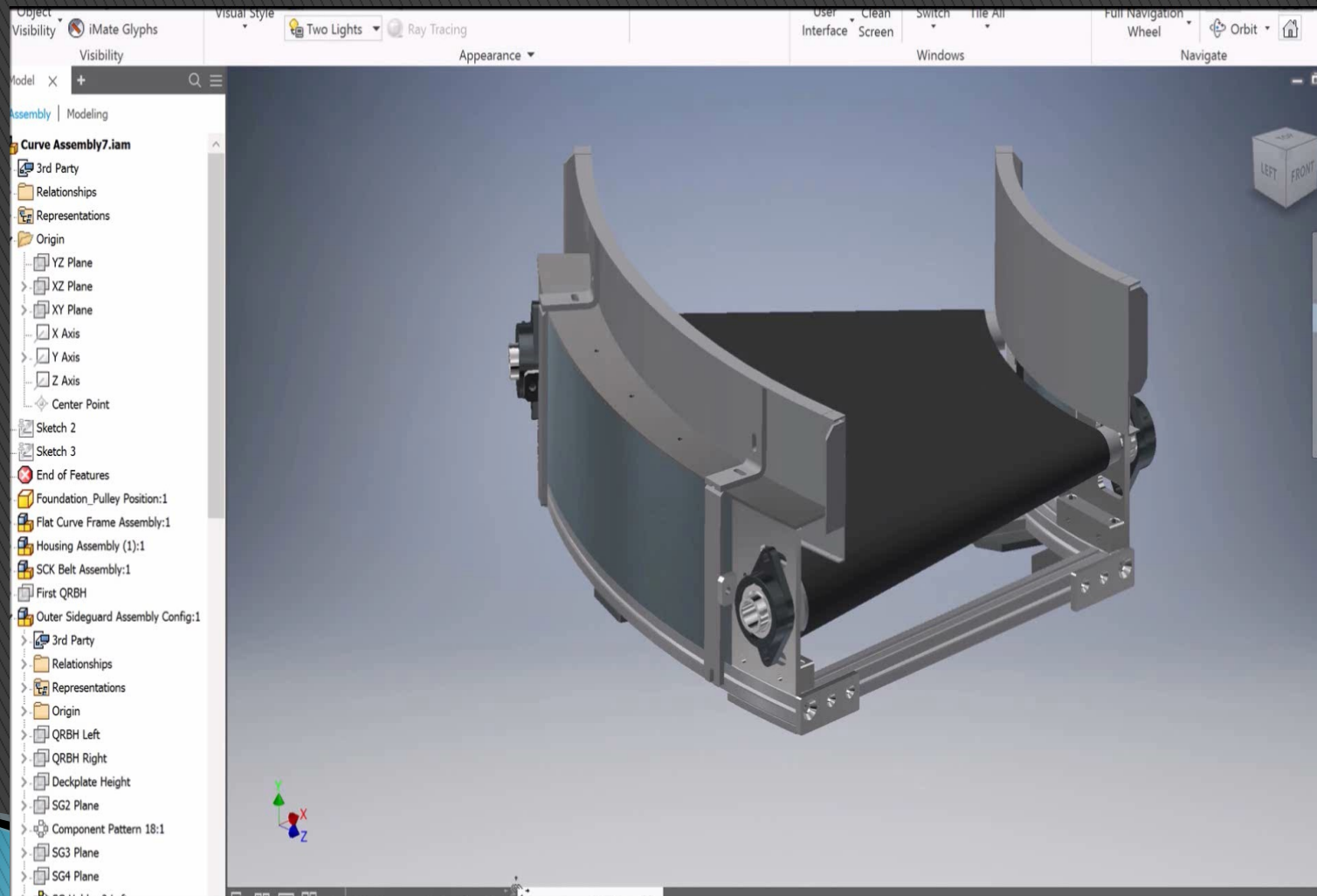
- ▶ The Our engineering foundation enables us to offer accurate 3d blocks (STEP, IGES or AutoCAD) General Assembly and 2d AutoCAD drawings along with our proposals, to enable your design team to immediately begin to implement our curves into the system layout at an early stage.





Engineering

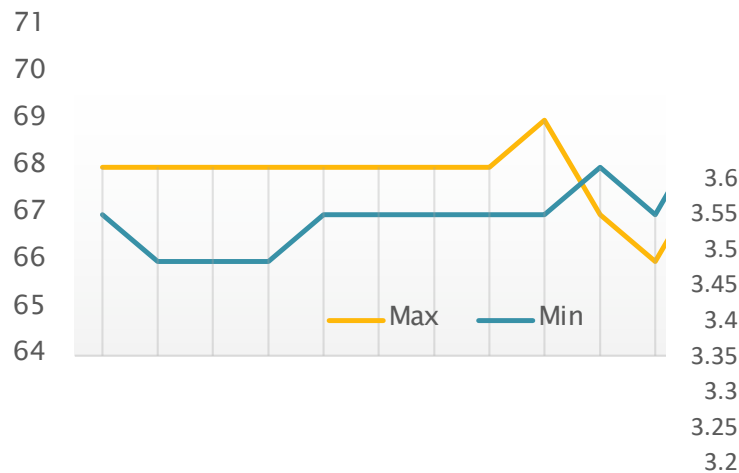
- ▶ We are extremely flexible with specification requirements and can accommodate bespoke designs in terms of centerline radius, belt width and degree without additional cost.



Testing

- Testing for BNP approval successfully completed on flat curve @ 1m cycles, start / stop at 60 per min, ramping to 150m/min under 150kg load.

Sound Level db





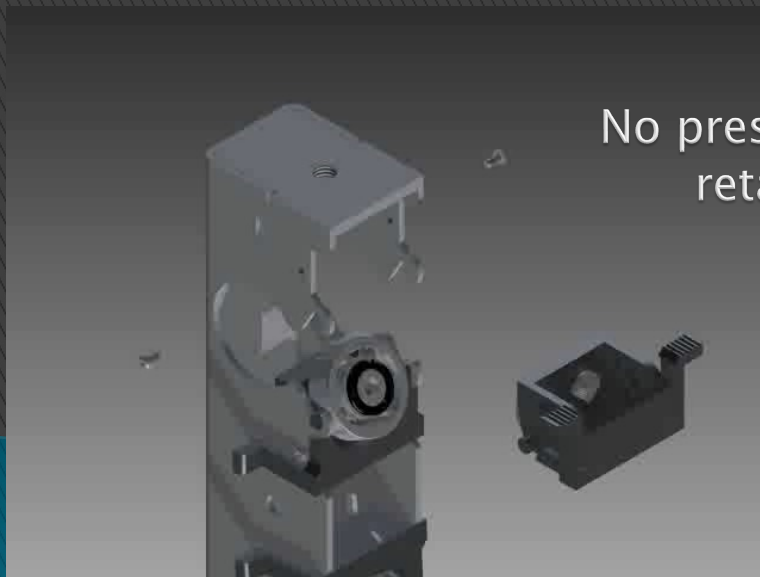
Unique Selling Points

The Patented Holder

Hook seat for easy assembly and removal

No pressure applied to retaining clips

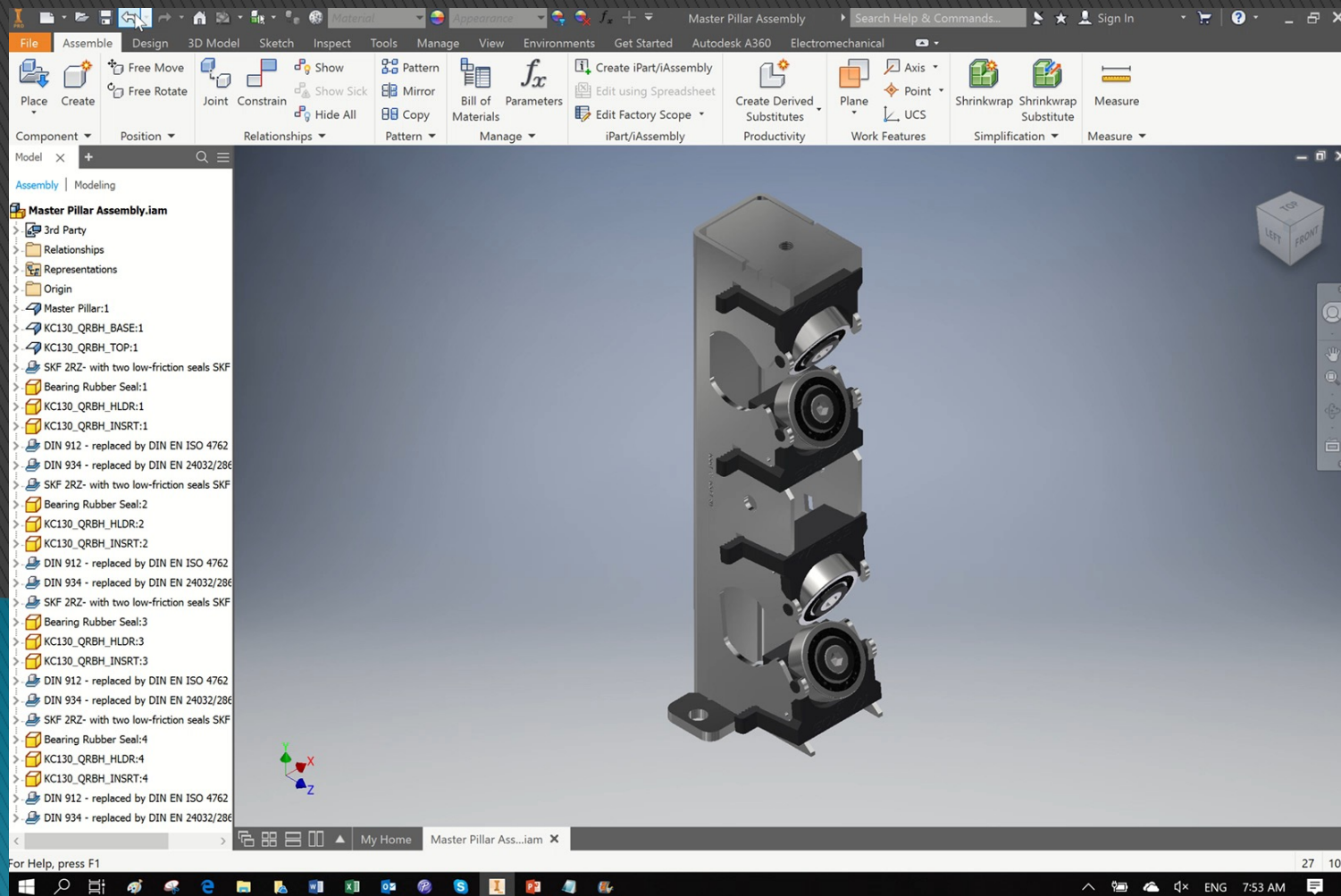
Pressure exerted towards inner radius forces the holder back into its seat position





Unique Selling Points

Angle of return set of holders automatically adjusted in accordance with project specifications





Unique Selling Points

- The belt guidance retaining system to ensures “rapid release” of PU beading from angled trap bearings enabling quick removal of the vulcanised endless belt.
- Individual bearing replacement can be conducted with minimum downtime, as each bearing holder seat can be easily removed and replaced without the use of tools





Unique Selling Points

Belt Guidance System

- Holders load tested to steel pillar or belt destruction
- Up to 200+kgs across one set of bearing holders without damage to bearings or plastics





Unique Selling Points

- Entire working of the curve visible during operation. Belt, beading, pulleys and bearings can be visually inspected whilst running.





Unique Selling Points

- All housings and pillars simply removed by releasing maximum of 3 bolts from the outside of the curve.
- If a replacement exercise of entire set of bearings is scheduled, alternate holder pillar “cassettes” can be removed and worked upon remotely, whilst the unit is re-started.
- Each pillar “cassette” easily removed by removing 3 x 8mm Bolts





Unique Selling Points

Cantilevered Deckboard

- The deckplate remains in place during the quick belt change
- Inner deck supports designed for easy removal
- Outer deck support bolts do not need to be loosened





- Extra high sideguards (up to 580mm) on outer radius available if required.
- Outer guards removable with connecting bolts remaining in frame or guards as per CE & machinery directive.



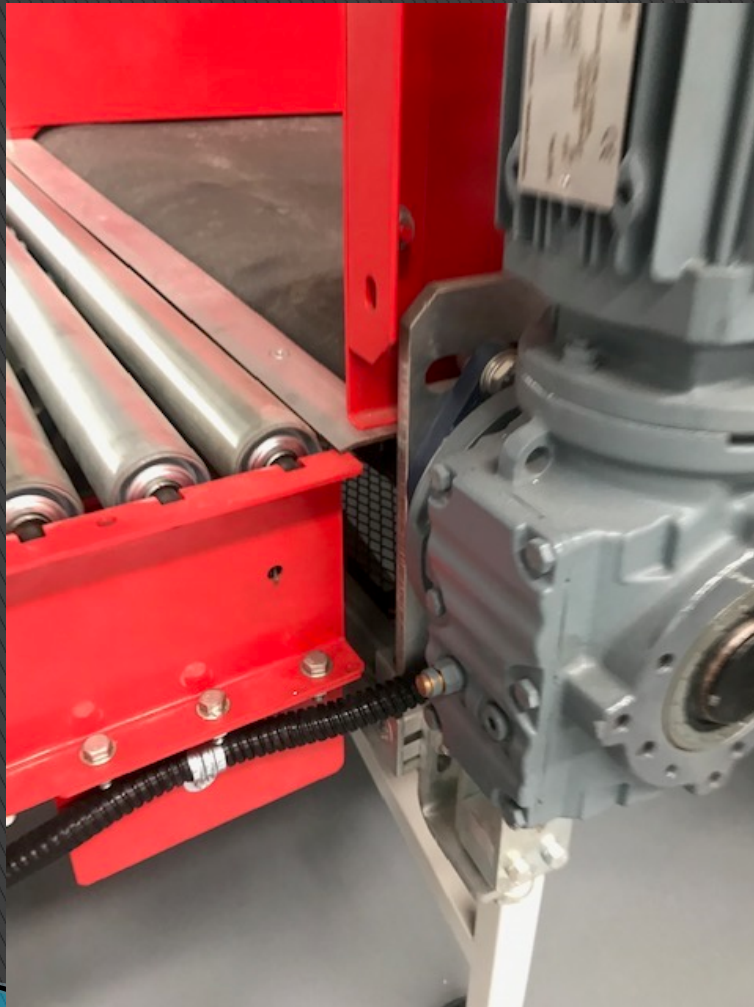


- Latched underguards as standard
- Hinged and latched underguards optional.
- All connections remain with the frame as per CE & machinery directive





Transfer Plates

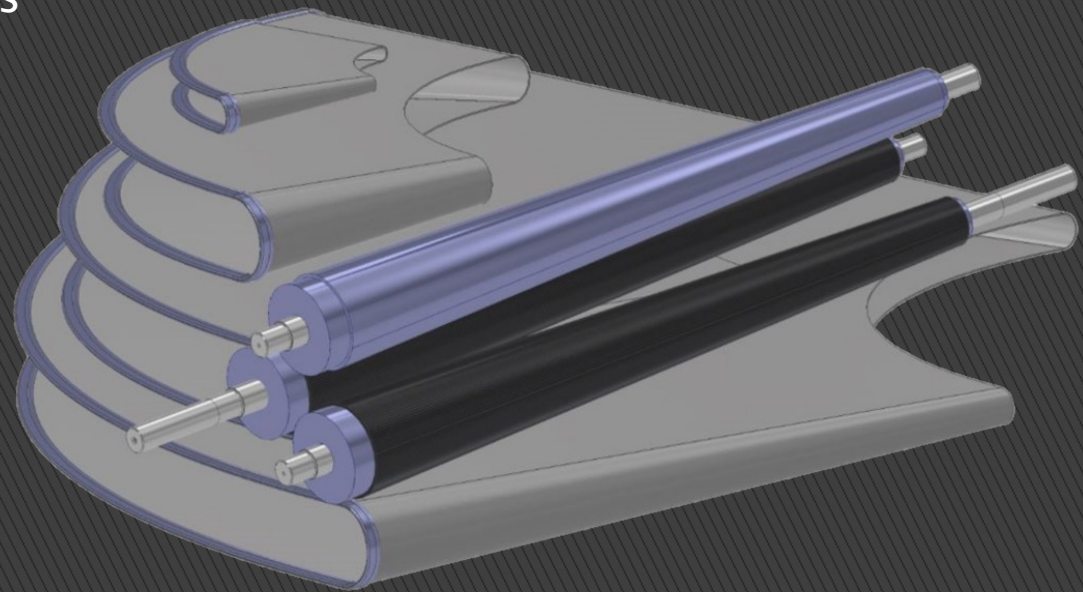


- Tapered and chamfered transfer plates designed to fit between curves and various sizes of straight infeed and outfeed rollers.
- Fully adjustable to fit with minimum gaps below the crown of adjoining rollers



Spares for Curve Conveyors

- ▶ Kairos are able to offer various types of curve spares. From tapered pulleys and belts to housings and bearings.
- ▶ We assist maintenance teams looking to drastically reduce costs, when contracted to support curves installed in their system.





Spare Belts for Curve Conveyors

- ▶ Spare belts and pulleys, considered the most critical components of a curve conveyor, have been repeatedly supplied to the market since 2015, which has helped to assure our valued customers of our material selection and manufacturing processes prior to the release of our curve to the global market.
- ▶ Material selection is of paramount importance, and our collective previous experience dictates that we only use proven material from global brand belting suppliers





Spare Pulleys for Curve Conveyors

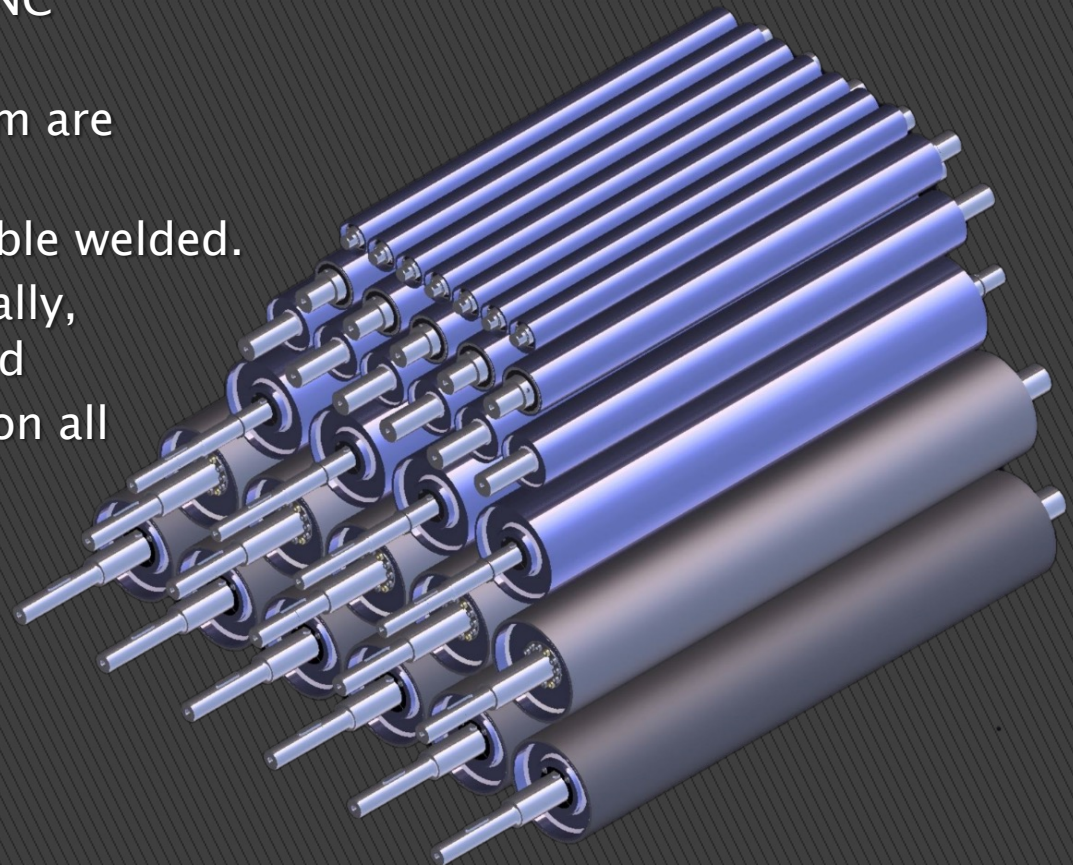
- ▶ Tapered pulleys for any curve currently in the market
- ▶ All pulleys are manufactured using a hardened PU foam, machined to the correct tapered angle
- ▶ High friction PVC grip top belting material used for lagging





Pulleys / Rollers for Straight Conveyors

- ▶ Kairos offer straight conveyor rollers and drive pulleys directly to OEM's and as spares to maintenance contractors.
- ▶ All pulleys are turned on NC / CNC machines to the required spec
- ▶ Pulley with diameter above 90mm are balanced as standard
- ▶ All discs are chamfered and double welded.
- ▶ Welding is conducted automatically, ensuring a solid, continuous weld
- ▶ Stringent QC checks conducted on all specifications, run out, and balancing throughout the fabrication process.
- ▶ PU lagging controlled and conducted in-house





Straight Conveyor Pulleys







- ▶ At Kairos Conveyor Sdn Bhd, we have invested into our in-house manufacturing capability to ensure that we are in full control of our manufacturing capacity and internal quality management.
- ▶ Fibre Laser Cutting
- ▶ CNC & NC Turning
- ▶ Auto Turning
- ▶ CNC Milling
- ▶ Auto Milling
- ▶ CNC & NC Profile Rolling
- ▶ Auto & Manual Rolling
- ▶ CNC Folding
- ▶ CNC Shearing
- ▶ CNC & NC Bandsaws
- ▶ Auto Bandsaw
- ▶ Belt Cutting
- ▶ Belt Joint Stamping
- ▶ Vulcanising
- ▶ Industrial Sewing / Stitching
- ▶ PU Jointing
- ▶ PU Vacuum Chamber
- ▶ Industrial Curing Ovens
- ▶ Hydraulic Roller Moulds / Pressing
- ▶ MIG Welding





Thankyou for your time and attention