

JENSEN®

Hybrid

Superior ironing quality at any speed

Hybrid



- Superior evaporation capacity
- Superior ironing quality at any speed

At a Glance

- Superior ironing quality
- High speed possible
- Prolonged linen lifetime
- Service friendly
- Compact design



Market Trends & Facts



- Superior quality:
 - 5-star ironing quality without tape marks for the hospitality segment possible



- High speed:
 - Exceeds the speed of any ironer

Economic Trends & Facts



- Flexibility
 - Multi-purpose
 - Top-quality
 - High speed



- Dedicated ironer lines
 - High capacity or top quality forces laundries to choose, or buy an “extra” ironer line
 - Un-flexible solution

Conclusion of the finishing line



- Premium hotels and restaurants require premium ironing quality
- The healthcare sector require high production;
- To reach outstanding business results, laundries require premium equipment at affordable investment costs, combining high capacity with top-quality finishing.
- The unique Hybrid ironer meets the requirements of both sectors

Hybrid



- Hybrid installed at County Linen, UK
 - Outstanding performance and finishing quality
- Test shows „Best-in-class“
 - Exceeds the capacity of any ironer
 - ➔ 45 meter per minute with duvet covers

The three ambitions of a laundry manager



- Profitability
 - Productivity, cost savings, time savings, and a fast ROI
- Growth
 - High flexibility towards end-customer and the ability to meet their demands: to acquire new clients and to reach higher prices.
- Security
 - Quick reaction from supplier in case of any technical problems
 - Long-term security of the investment by working

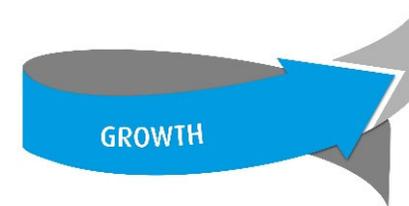
Profitability

- Cost savings
 - Low investment cost shortens the pay-back time;
The Hybrid is a two-in-one machine, combining high speed with top quality finishing, thus targeting a wider segment
 - Longer life span of the linen thanks to the use of one deep chest section only, giving 66% less friction
 - Optimized up-time thanks to no ironer tapes ensuring minimum risk of a jam
 - Reduced cost for springs and padding
- Low service requirements
 - No springs and padding in the calendar section
 - No ironer tapes
 - Less steam components



Growth

- More business thanks to higher production
 - Higher speed compared to conventional «non-tape-mark» ironers means more volume and thus more business possible within the same ironer line
 - Adding top-quality to high production allows to take on new customers with the same ironer line



Security

- High availability
 - Minimum downtime thanks to no ironer tapes, or only one section with few ironer tapes
 - Reduced waxing requirements thanks to one chest section only
- Investment security
 - JENSEN has developed the concept to meet European standards.
 - Solid financial structure, stock-quoted supplier, eliminating the risk of going bankrupt and not being able to service or upgrade single machines.



Technical Details

Main Points and Benefits

Hybrid

- What's new, which requirement does it fulfill?
 - The concept combining a flexible chest section with a calendar section giving high capacity and top-quality ironing as a result
- Positioning
 - The fastest ironer in the world providing superior finishing quality
- USP
 - Two-in-one machine combining high ironing speed with top-quality ironing
 - Prolonged life time of the linen
 - Low service costs
 - Compact design

Superior finishing quality



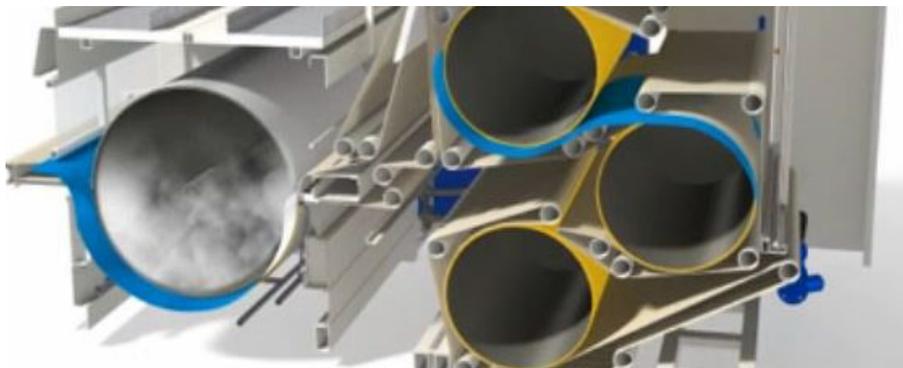
- Required by the hospitality sector

Superior finishing quality

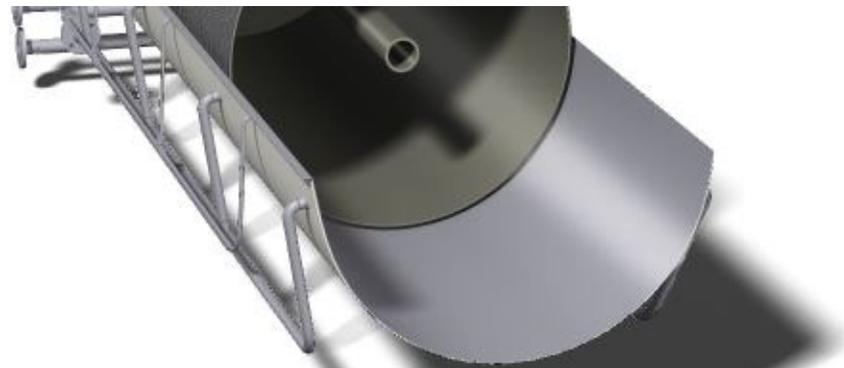


- Superior finishing quality by the flexible chest in the first section
- No tape marks in the linen

Optimum evaporation



- Optimum evaporation by temperature difference:
 - It is a well known fact that the majority of water is evaporated in the first section
 - That is why Hybrid is equipped with the deep chest in the first section



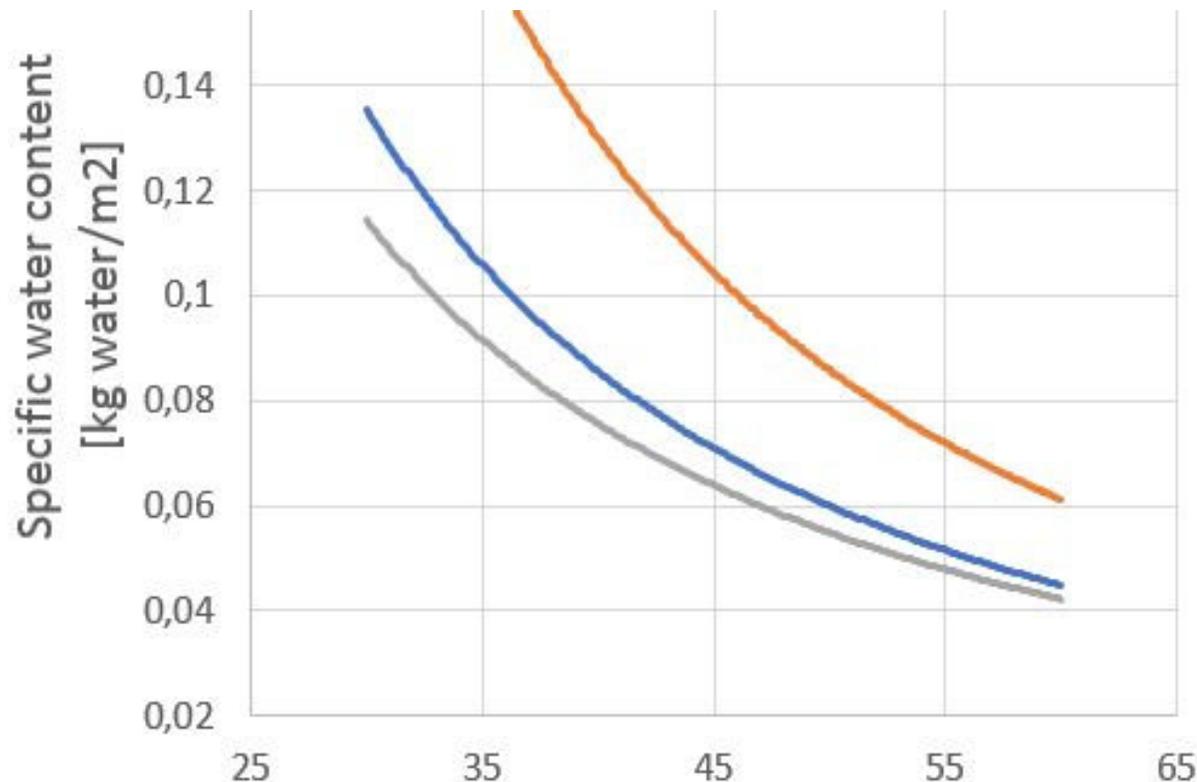
- Optimum evaporation capacity by the flexible chest
 - Full contact angle thanks to the adaption to the roll diameter
 - Optimum evaporation capacity thanks to the roller pressure

High speed



- Optimum evaporation capacity thanks to a total ironing length of 6.750 mm / 22 feet.
 - 1830 mm. / 72" in the flexible chest in the first section
 - 4920 mm. / 194" in the calendar section thanks to a contact angle of 235° around the cylinders
 - Drying on both sides of the linen

Exceptional high evaporation capacity



- Hybrid
 - Medium steam pressure 6-8 bar
- Hybrid
 - Low steam pressure 4-6 bar
- EXP 3x1200
 - High steam pressure 9 bar

Gentle drying in the calendar section



- Minimum wear of the linen
 - No friction to the linen
 - ➔ No roller pressing the linen against a chest
 - ➔ Rolls, belts and linen all rotate in the same direction
- The steam pressure in the calendar section works independently from the deep chest ironer section, allowing gentle drying between 5 and 10 bar according to program
 - ➔ Minimum shrinkage of the linen

Prolonged lifetime of the linen



- Minimum deformation of the linen
 - Gentle drying in the calendar section by reducing the steam pressure
 - Frequency controlled belt drive of cylinders allows to reduce the speed difference between rolls to a minimum
 - ➔ Reduced risk of stretching the linen during transport through the ironer

Prolonged lifetime of the linen



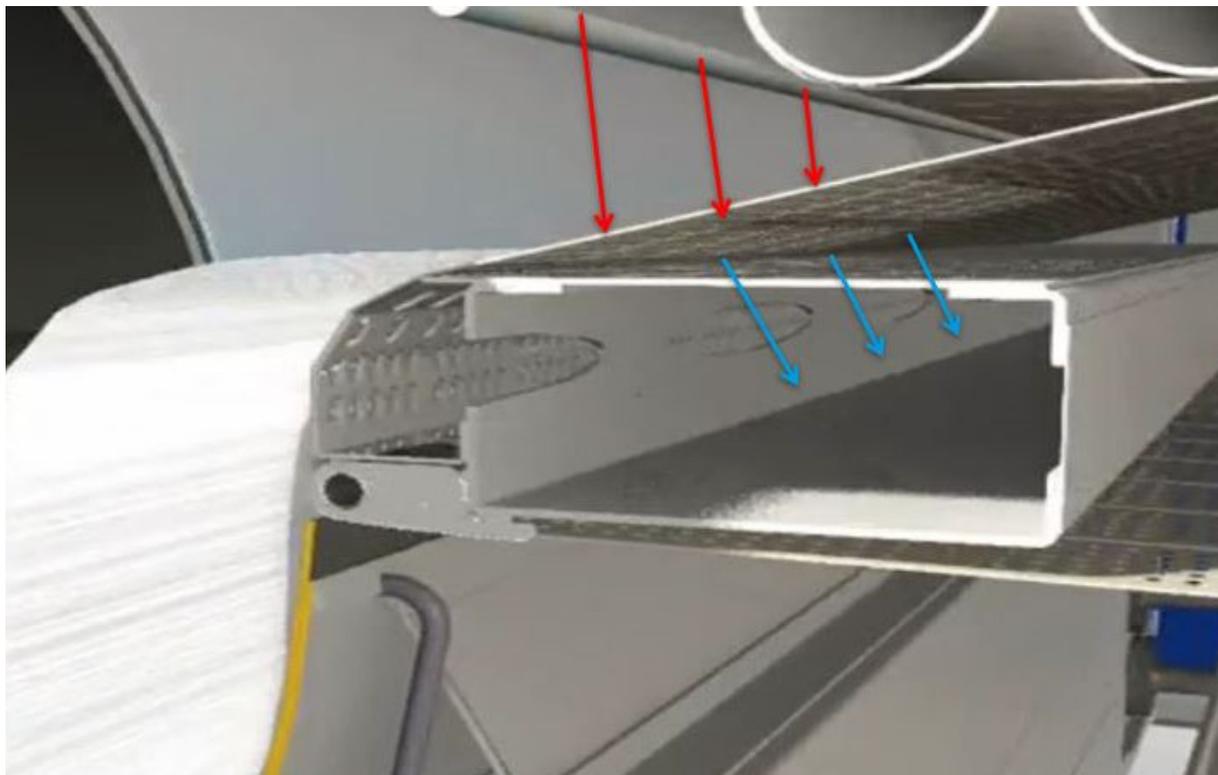
- 66% less friction compared to a conventional ironer
 - No friction in the calendar section
 - The linen is transported gently through the calendar section in a sandwich between driven rolls and wide belts rotating in the same direction and in the same speed

High speed with heavy material

- Easier production planning
 - Reduced speed difference between ironing sheets and duvet covers
 - ↳ Duvet covers at 45 meter / 147" per minute
 - ↳ Sheets at 55 meter / 180 feet per minute
- Result: 22% speed difference only



Low service requirement



- No ironer tapes or scraper plates
 - Air-blast pipe supports the vacuum release from the 1st roll
- No springs and padding in the calendar section
- Reduced amount of steam components

Service-friendly



- Time-saving visual inspection
 - Optional hinged cover plates with plexiglass
 - ➔ No need to stop the ironer for visual inspection

Low service requirement



- Long life-time of the wide belts
 - Stressless transport of the linen through the ironer by means of wide belts of Nomex material
- Minimum stress on the belts
 - Belts, rolls and linen turn in the same direction

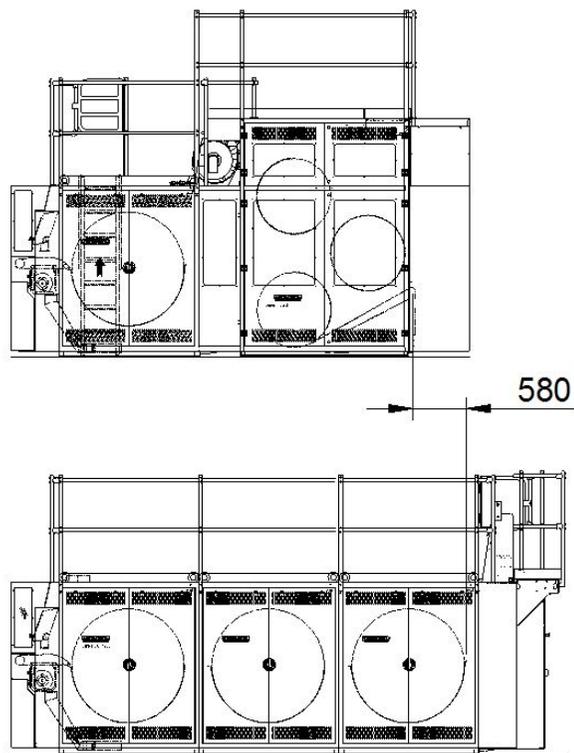
Fast and easy removal of wax cloth



- Optimized production
 - The wax cloth does not go through the calendar section
 - ➔ The wax cloth is automatically dropped in a tray at the exit of the 1st roll
 - ➔ Easy removal of the wax cloth from both sides of the ironer
 - ➔ Reduced time for waxing of the ironer

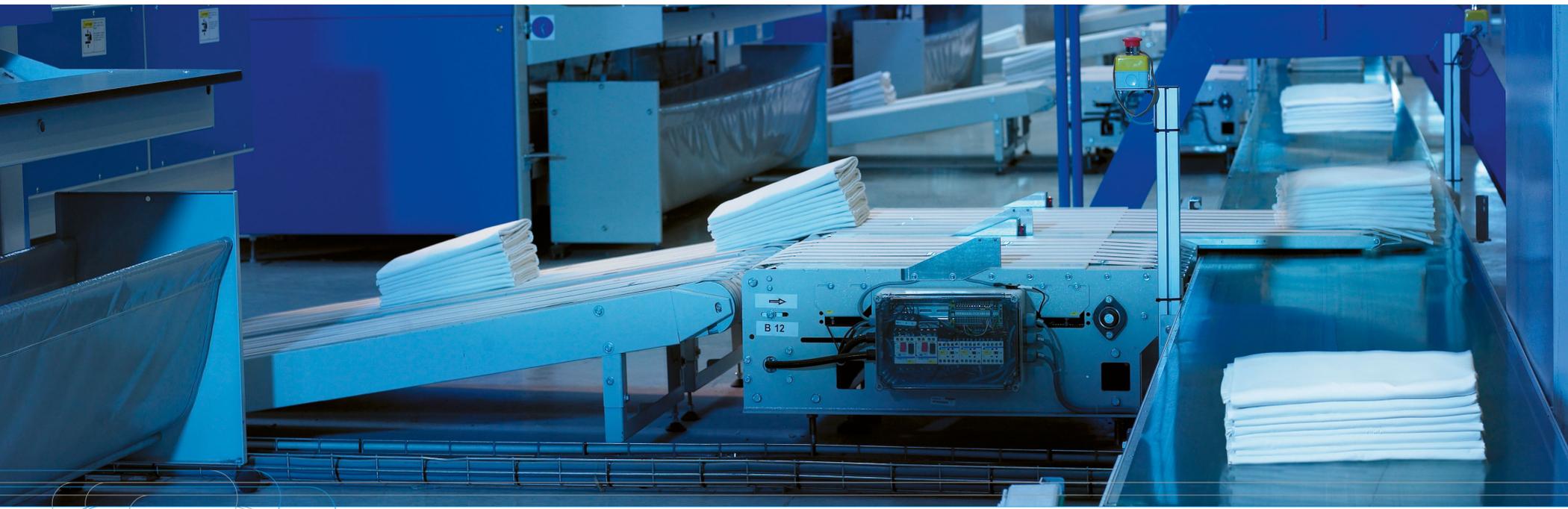
Compact solution

- Superior evaporation capacity on limited floor space
- Hybrid capacity equal to 3 roll Ø1200 or more



Hybrid benefits At a Glance

- Benefit 1: Combining high speed with superior finishing quality
 - ↳ High evaporation capacity and a glossy finish by the flexible chest at the first section
 - ↳ Superior finishing quality without tape marks in the linen
- Benefit 2: Prolonged life time of the linen
 - ↳ Minimum friction through the ironer thanks to the use of driven cylinders instead of chests in the calendar section reducing friction by 66%
 - ↳ Gentle drying of the linen by reduced steam pressure in the calendar section
- Benefit 3: Low service costs
 - ↳ One roll with springs and padding only
 - ↳ No ironer tapes required
- Benefit 4: Compact design
 - ↳ 3-roller capacity with a 2,5 roller foot-print



Hybrid
Superior ironing quality at any speed