



HYGIENOX

FROM TEKNOMEK

Hygienox Intelligent Design

Pharma market research: the PROBLEM

Teknomek commissioned an independent market research exercise in 2021 to do a deep dive into the Pharmaceutical and Cleanroom hygiene furniture issues and their requirements.

"The demands of the Pharma sector are being elevated every year and the requirements for cleaning; people have to pay more attention to things than before, especially the cleaning now to 10 years ago is a lot more stringent"

"for us it's having the right grade of stainless steel. We don't want something that is going to rust. We use a lot of cleaning agents"

"It's the cleanability and ability to repeat the same cleaning process over and over with the same results. So that the surface finish is smooth enough, there is no residual materials left on the surface or no scratches"

"Rusting is a huge issue and how easy it is to clean. Cleaning is top of the agenda"

"I suppose permeation of the surface, smooth, good flat joins are what we're looking for with Stainless Steel. Metal is always the biggest problem – it can rust"

"If the surface was easier to clean it would cut down on running costs and labour time"

"I'd look closely at the surface finish and see which one was the best in terms of cleanability"

"It's having the right wheels so it doesn't get corroded or leave tyre marks across the floor because chemicals have corroded it"

Due to their ultra sterile requirements and cleaning regime, their main concerns were:

- Rusting of the Stainless Steel and the Castors
- Rouging
- Tiger stripes
- Time to clean
- The ease of cleaning

Pharmaceutical end users need:

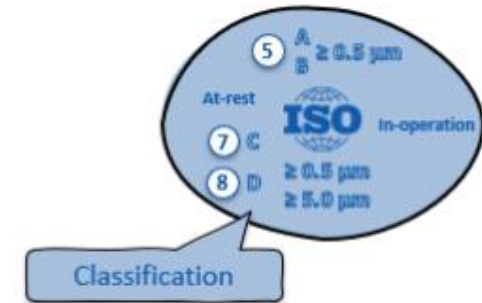
- Furniture that is easy to clean
- The ability to clean the furniture over and over again
- Have no residual marks left and no scratches on the surface
- Feet and Castors that don't leave marks on the floor and don't rust

Hygienox range overview; the SOLUTION

Designed for ISO 14644!

CLEANROOM FURNITURE , DESIGNED WITH OBSESSIVE ATTENTION TO DETAIL FOR ULTRA-STERILE ENVIRONMENTS.

- Built to last, designed for Pharmaceutical and Cleanroom environments.
- Extremely robust against harsh chemicals including Chlorine and Hydrogen Peroxide
- Intelligent design and specification features help to:
 - Reduce clean down time and improve productivity
 - Reduce contamination risk
 - Mitigate the risk of rouging or tiger stripes
- Stainless Steel 316 as standard:
 - The 0.3 RA surface roughness (versus standard 0.5 RA); “exceeding not just meeting” the ISO Class 5 standard
 - More robust against pitting and crevice corrosion
 - Ultra smooth surface for fewer microscopic grooves for easier cleaning
 - Less abrasive, thus preventing friction between furniture, gloves and equipment, mitigating against particles being released into the atmosphere
- Castors and feet manufactured with 316 Stainless Steel. Castors using Polypropylene wheels for chemical resistance to avoid floor surface marks



Hygienox Design Principles

Designed for ISO 14644!

CLEANROOM FURNITURE , DESIGNED WITH OBSESSIVE ATTENTION TO DETAIL FOR ULTRA-STERILE ENVIRONMENTS.

Attention to detailed Design Principles and the highest quality finishes:

- 316 Stainless Steel with a 0.3 RA for smoother surface
- Tubular braces to minimise horizontal surfaces
- No unnecessary lips or double returns
- Intelligent design for easy cleaning / draining
- No butted or overlapping joints
- No plastic parts
- Fully sealed with Clean room grade non shedding silicone
- Legs are fully welded nut plates when fitted to feet / castors
- Consistent welding with all welds acid cleaned to remove every burn mark
- 316 feet with no exposed threads and non marking FDA approved, anti vibration anti slip rubber base
- Castors manufactured with 316 Stainless Steel body with Polypropylene wheels for chemical resistance
- Extra packaging for ultimate transportation protection
- Care / maintenance guide via QR code etched into stainless steel

Hygienox versus Teknomek; key differences

Teknomek	Hygienox from Teknomek
Hygienic High Standard Heritage	Hygienic Ultra-sterile Design Standard
Standard 240 grit 0.5 RA finish (Smoothness)	Ultra-hygienic 0.3 RA finish (Smoothness)
304 grade throughout	316 grade throughout
BZP or 304 stainless castors as upgrade	316 Castors
304 feet with exposed thread	316 feet with no exposed thread
Physically resistant	Chemically and physically resistant
Designed for easy cleaning	Designed for harsh sterilisation and easy cleaning
Clean and smooth welds	Every weld is pickled and polished
Long lasting as standard	Futureproof standard
Bespoke available to Teknomek Standard	Bespoke available to Hygienox from Teknomek Standard

Hygienox Product Range



Description	Size	Product code	Price
REAR RAIL STATIC	900X600	TLTAHY-RR-90x60	£1,942
	1200X600	TLTAHY-RR-12x60	£2,158
	1500X600	TLTAHY-RR-15x60	£2,374
REAR RAIL MOBILE	900X600	TLTAHY-RR-90x60/M	£2,032
	1200X600	TLTAHY-RR-12x60/M	£2,248
	1500X600	TLTAHY-RR-15x60/M	£2,464

Description	Size	Product code	Price
REAR RAIL STATIC	600w x 400d	TLLEHY-RR-60x40	£1,554
REAR RAIL MOBILE		TLLEHY-RR-60x40/M	£1,626
Description	Product code	Price	
Hygienox 316 Foot (sold singly)	AENG0012	£90.00	
Hygienox 316 Castor (sold singly) – unbraked	AWHE012	£107.00	
Hygienox 316 Castor (sold singly) – braked	AWHE013	£118.00	



Customisation (variations of sizes) and bespoke products available on request

How we can help

Our support for you:

- Site visits with our Regional Sales Managers
- Teams calls with our RSM's or Customer Service team
- Technical advice on Hygiene furniture suitability
- Technical Data sheets
- Expanding portfolio of products dedicated for ISO 14644 cleanroom environments

