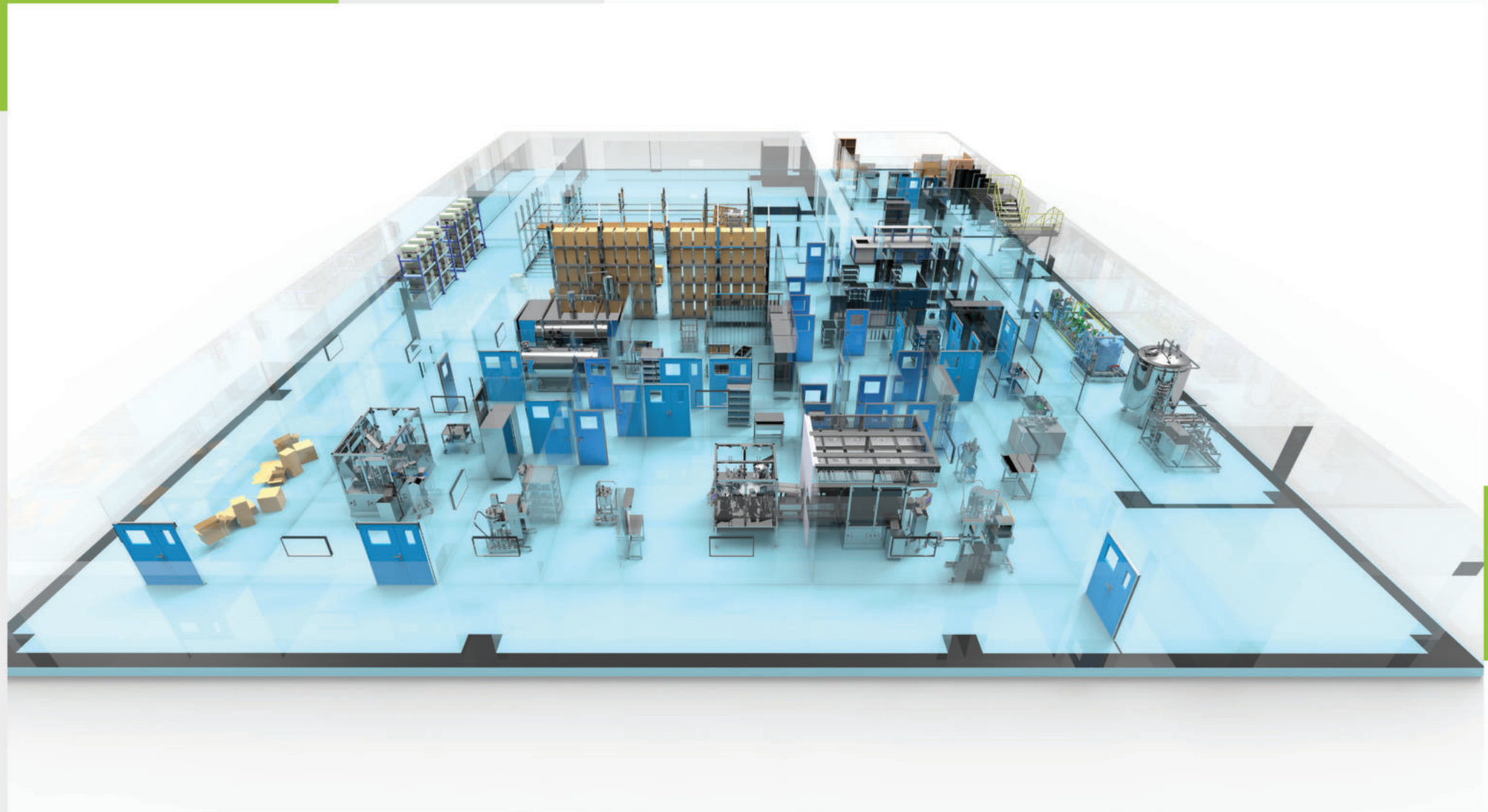




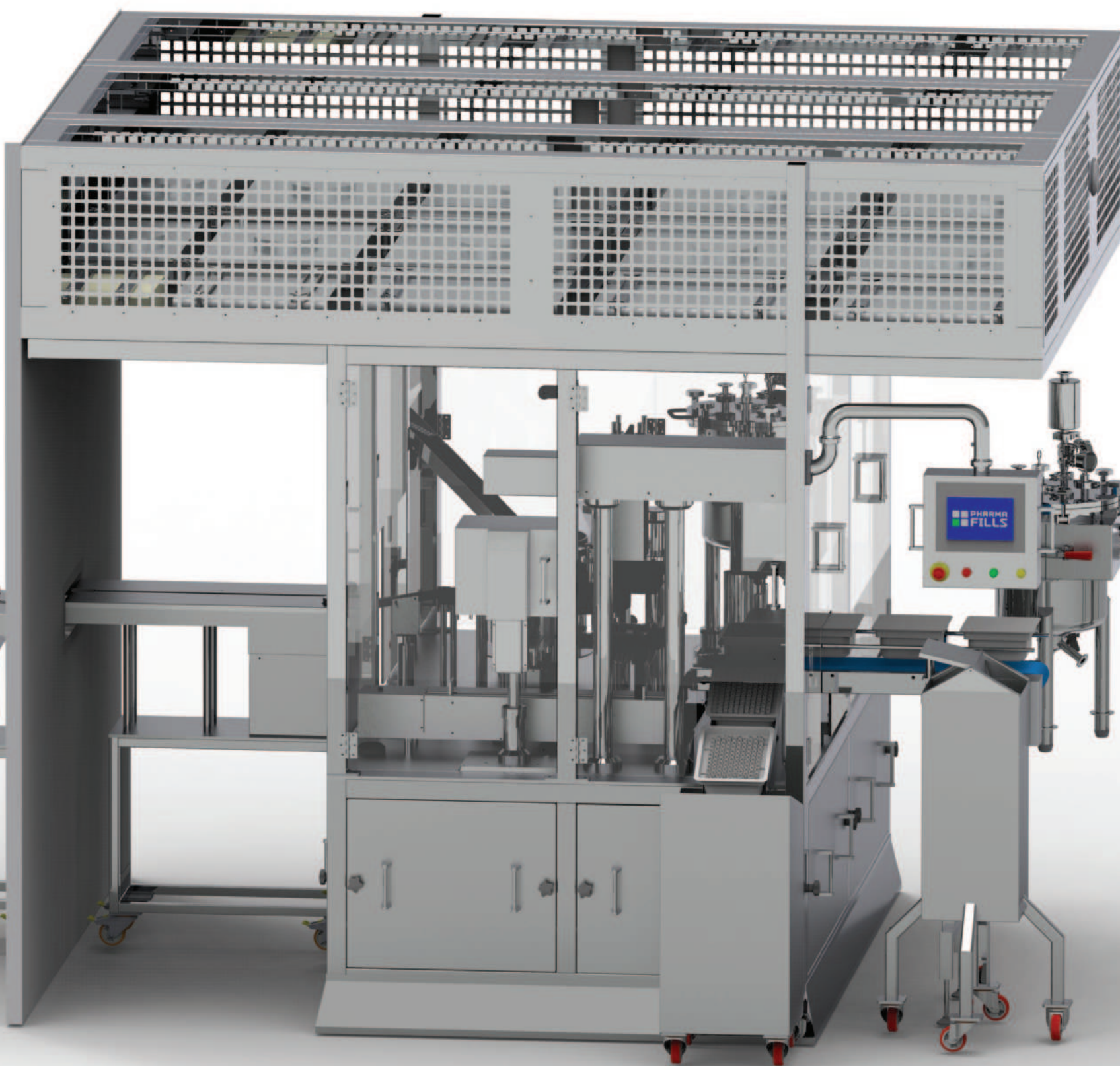
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 **PHARMA
FILLS**

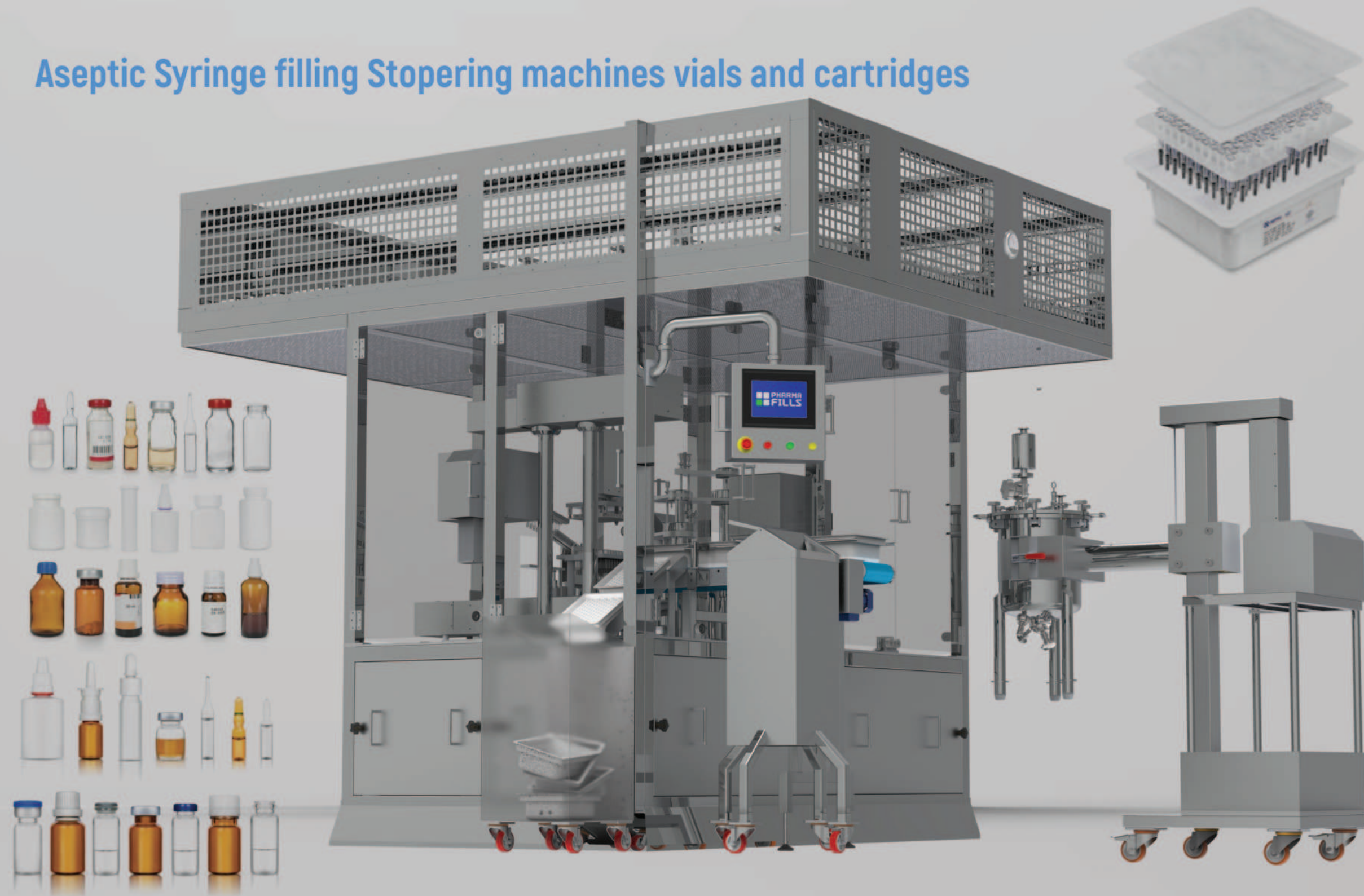
 **PHARMA
FILLS**



MultiFill Aseptic Line

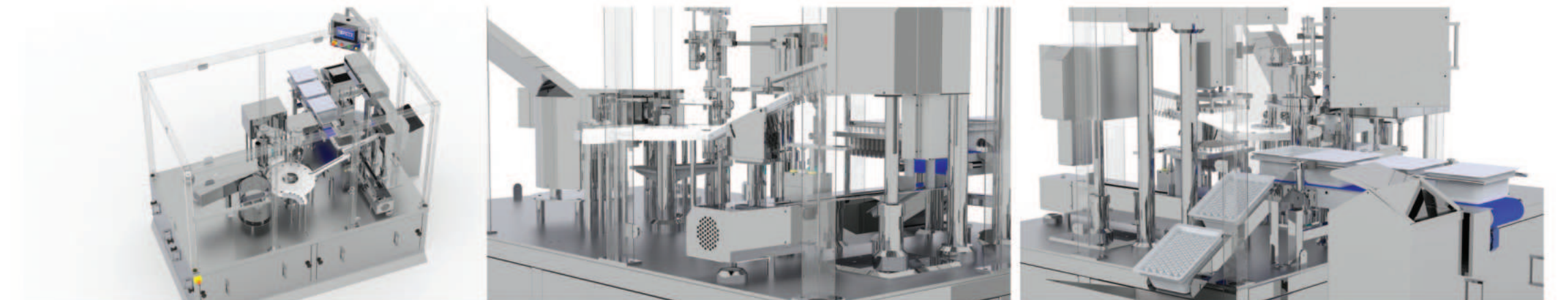


Aseptic Syringe filling Stoppering machines vials and cartridges

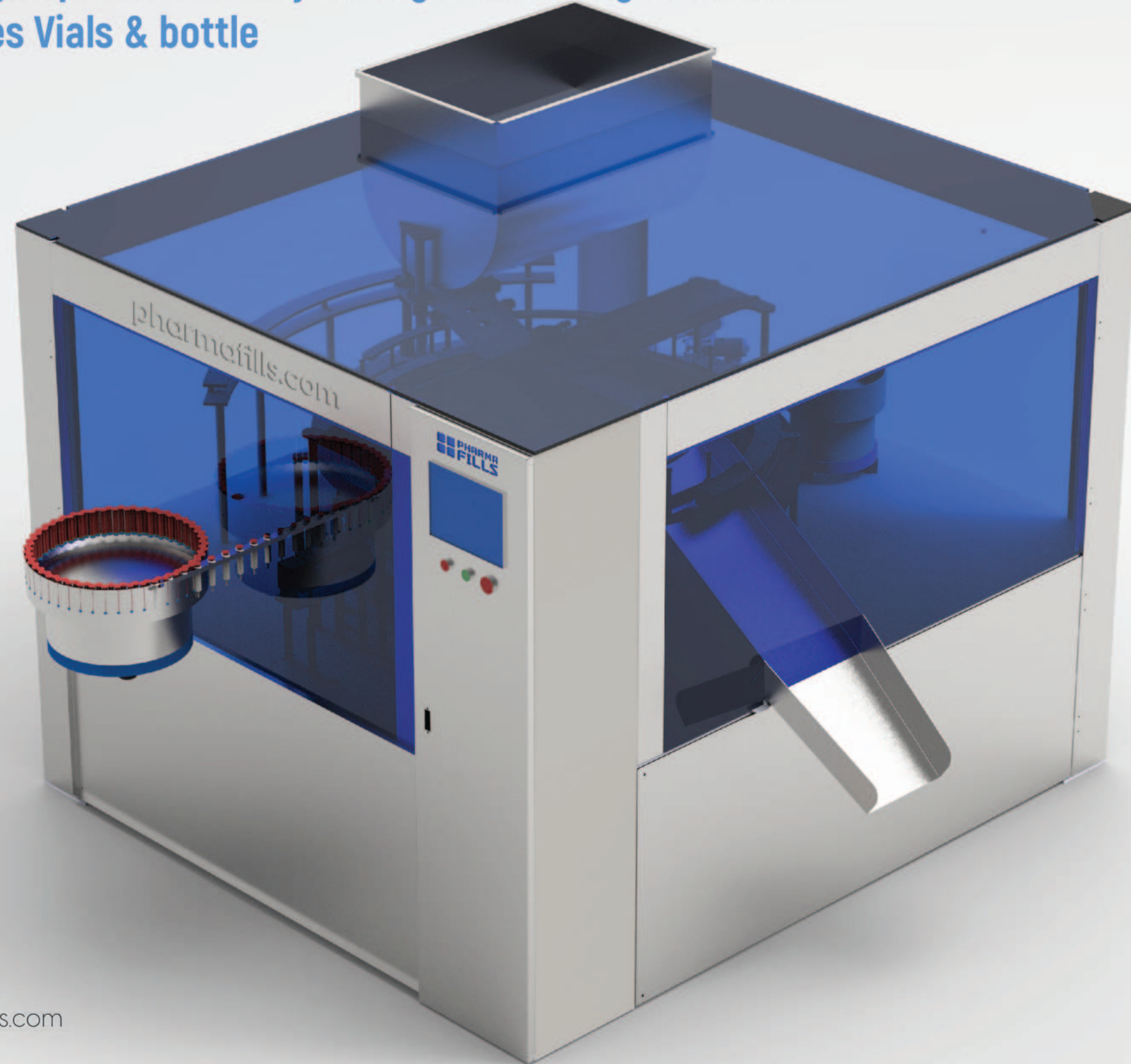


Aseptic Syringe filling Stoppering machines vials and cartridges

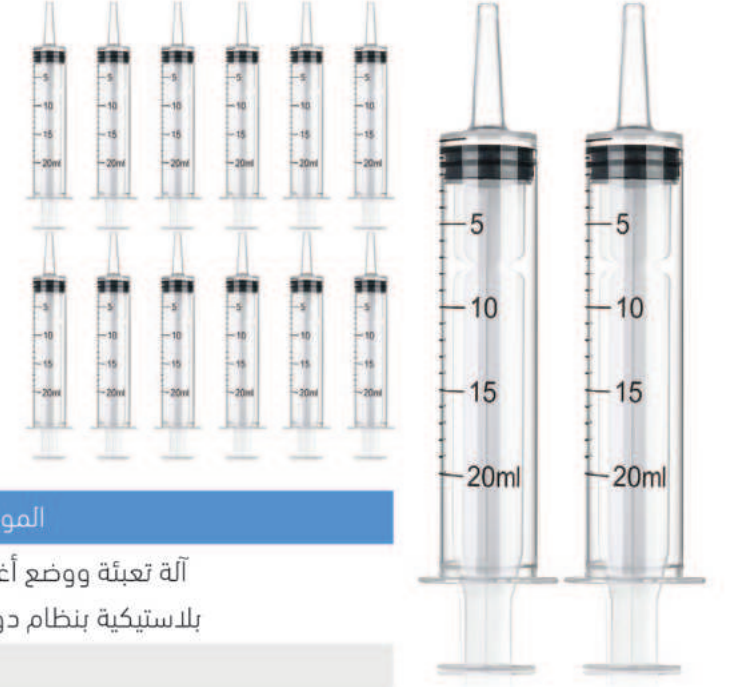
A syringe filling machine designed for vials and cartridges is an automated, precision-driven system used in pharmaceutical manufacturing to accurately fill and seal sterile medications. The process begins with the automated feeding of pre-sterilized containers (vials, cartridges, or syringes) into an aseptic environment, often maintained via laminar airflow or isolator technology to prevent contamination. Containers are aligned and positioned for filling, where high-precision piston or peristaltic pumps dispense predetermined volumes of liquid medication into each unit, ensuring dosage accuracy within strict tolerances. For syringes, plungers are then inserted to seal the drug, while vials and cartridges undergo stoppering—rubber stoppers are placed and secured, with vials often receiving an additional aluminum seal crimp. The machine, typically constructed from stainless steel for cleanability and compliance with Good Manufacturing Practices (GMP), features programmable logic controllers (PLCs) for adaptability between container types, enabling quick changeovers. Overall, the system combines sterile handling, precision dosing, automated quality control, and regulatory compliance to ensure safe, efficient production of injectable pharmaceuticals.



Rotary High Speed Assembly Filling and Closing Machines for Syringes Vials & bottle

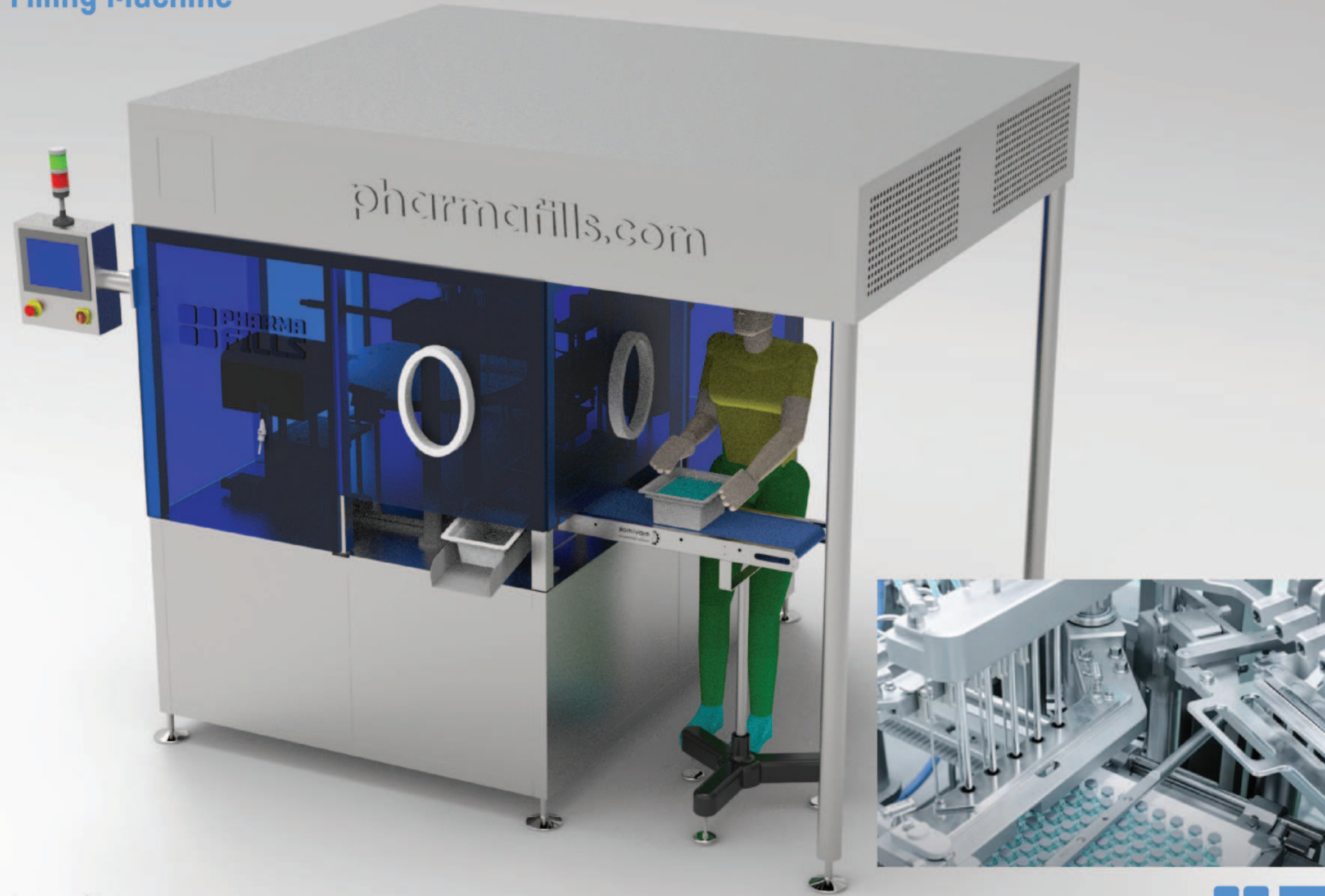


Rotary High Speed Assembly Filling and Closing Machines for Syringes Vials & bottle



Technical Specifications	Specifications	Teknik Özellikler	المواصفات الفنية
Machine Name	Automatic Rotary Plastic Syringe Filling and Capping Machine	Otomatik Döner Plastik Şırınga Dolum ve Kapama Makinesi	آلة تعبئة ووضع أغطية سرنجات بلاستيكية بنظام دوار بشكل آلي
Filling System	Rotary	Döner	نظام دوار
Syringe Diameter	6mm and 11mm	6mm ve 11mm	قطر السرنج: 6 ملم و 11 ملم
Production Capacity	Up to 6000 syringes per hour	Saate kadar 6000 şırınga	طاقة إنتاجية تبلغ 6000 سرنج في الساعة
Capping System	Automatic Silicone Cap Placement	Otomatik Silikon Kapak Yerleştirme	وضع أغطية سيليكونية بشكل آلي
Material Construction	Stainless Steel	Paslanmaz Çelik	الفولاذ المقاوم للصدأ
Syringe Feeding System	Automatic	Otomatik	تغذية السرنجات بشكل آلي
Silicone Cap Feeding System	Automatic	Otomatik	تغذية أغطية السيليكون بشكل آلي
Power Requirements	380 volts, 3 phases, 50/60 Hz	380 volt, 3 faz, 50/60 Hz	فولت , 3 مراحل , 60/50 هرتز 380
Additional Features	- Touchscreen interface for easy operation - Automated syringe filling & capping process - Adjustable filling volumes - Anti-drip nozzles to prevent spills & wastage - Automatic stop when no syringes or caps are detected	- Dokunmatik ekranlı kullanım kolaylığı - Otomatik şırınga dolumu ve kapama işlemi - Ayarlanabilir dolum hacimleri - Dökülmeleri ve israfı önlemek için anti-damla nozulları - Şırınga veya kapak algılanmadığında otomatik durma	- واجهة شاشة تعمل باللمس لتسهيل العملية - عملية تعبئة ووضع أغطية السرنجات بشكل آلي - حجم التعبئة قابلة للتعديل - فوهات منخفضة الانسكاب - لمنع التسرب والهدر - التوقف التلقائي عند عدم كشف السرنجات أو الأغطية

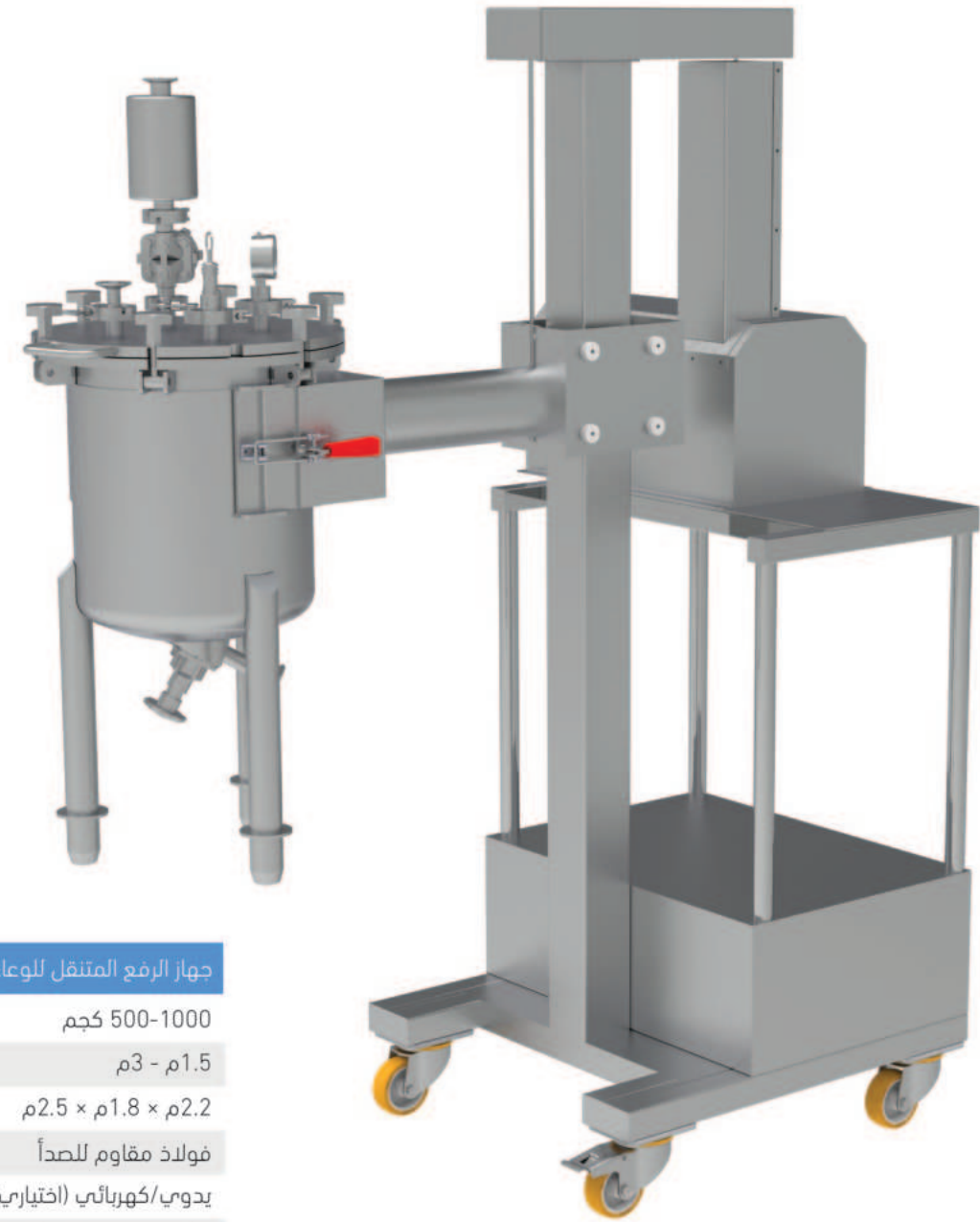
Vial Filling Machine



Vial Filling Machine

Technical Specifications	Technical Specifications	المواصفات الفنية	Details/Detaylar / التفاصيل
Vial Filling Machine	Ürün Adı	اسم المنتج	Vial Filling Machine
Model	Model	الموديل	PH-FILL-V2
Production Capacity	Üretim Kapasitesi	القدرة الإنتاجية	60 vials/minute
Vial Type	Vial Türü	نوع الفيال	Glass/Plastic
Vial Capacity	Vial Kapasitesi	سعة الفيال	10 ml/20 ml/50 ml
Control System	Kontrol Sistemi	نظام التحكم	PLC
User Interface	Kullanıcı Arayüzü	واجهة المستخدم	Touchscreen
Power Source	Güç Kaynağı	مصدر الطاقة	Electric (220 Volts)
Filling System	Dolum Sistemi	نظام التعبئة	Precision Automatic Filling DOSING PUMP
Verification System	Doğrulama Sistemi	نظام التحقق	Inclusion Detector/Barcode Scanner
Packaging Material	Ambalaj Malzemesi	مادة التغليف	Plastic Film/Paper
Additional Options	Ek Seçenekler	خيارات إضافية	Automatic Cleaning System/Group Filling

Mobile Lifting Device for Process Vessel



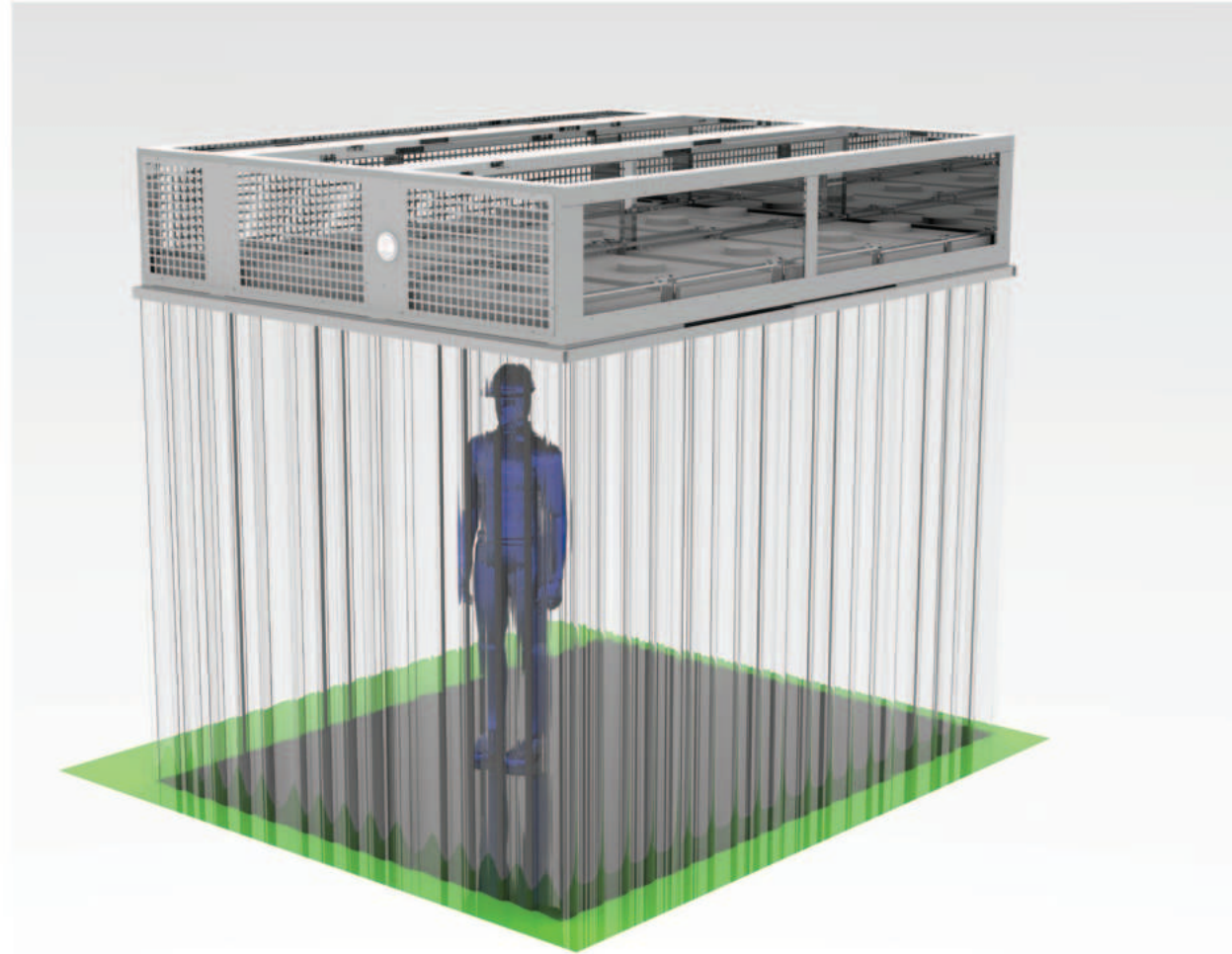
Machine Name	Mobile Lifting Device for Process Vessel	Proses Kabi İçin Mobil Kaldırma Cihazı	جهاز الرفع المتنقل للوعاء المعالجة
Lifting Capacity	500-1000 kg	500-1000 kg	500-1000 كجم
Lifting Height	1.5m - 3m	1.5m - 3m	1.5م - 3م
Size	2.2m x 1.8m x 2.5m	2.2m x 1.8m x 2.5m	2.2م × 1.8م × 2.5م
Material	Stainless Steel	Paslanmaz Çelik	فولاذ مقاوم للصدأ
Control System	Manual/Electric (Optional)	Manuel/Elektrikli (Opsiyonel)	يدوي/كهربائي (اختياري)
Power Requirement	2-3 kW (Electric)	2-3 kW (Elektrikli)	2-3 كيلو واط (كهربائي)
Operator Interface	Manual/Touchscreen (depending on version)	Manuel/Dokunmatik Ekran (versiyona bağlı)	يدوي/شاشة لمس (اعتماداً على الإصدار)

Single-jacket tank Vacuum Mixer machine



Model:	Technical Specifications
Model	PHARMA-FILL-T-V-12L
Total volume	12 liters
Working volume	3 to 10 liters
Pressure temperature tank design (min/max)	Fluid, Steam/ 6 bars
Vacuum applied	-0.9 bar
Double jacket design pressure (min/max):	3 bars
Double jacket working pressure	atmospheric pressure
Type of fluid	Steam/Water.
materials in contact with the product are made of :	stainless steel AISI 316T
Finishes	All parts in contact with the product have a mirror polished finish, Ra <0.3 µm

Laf Laminar Air Flow Hood Modular



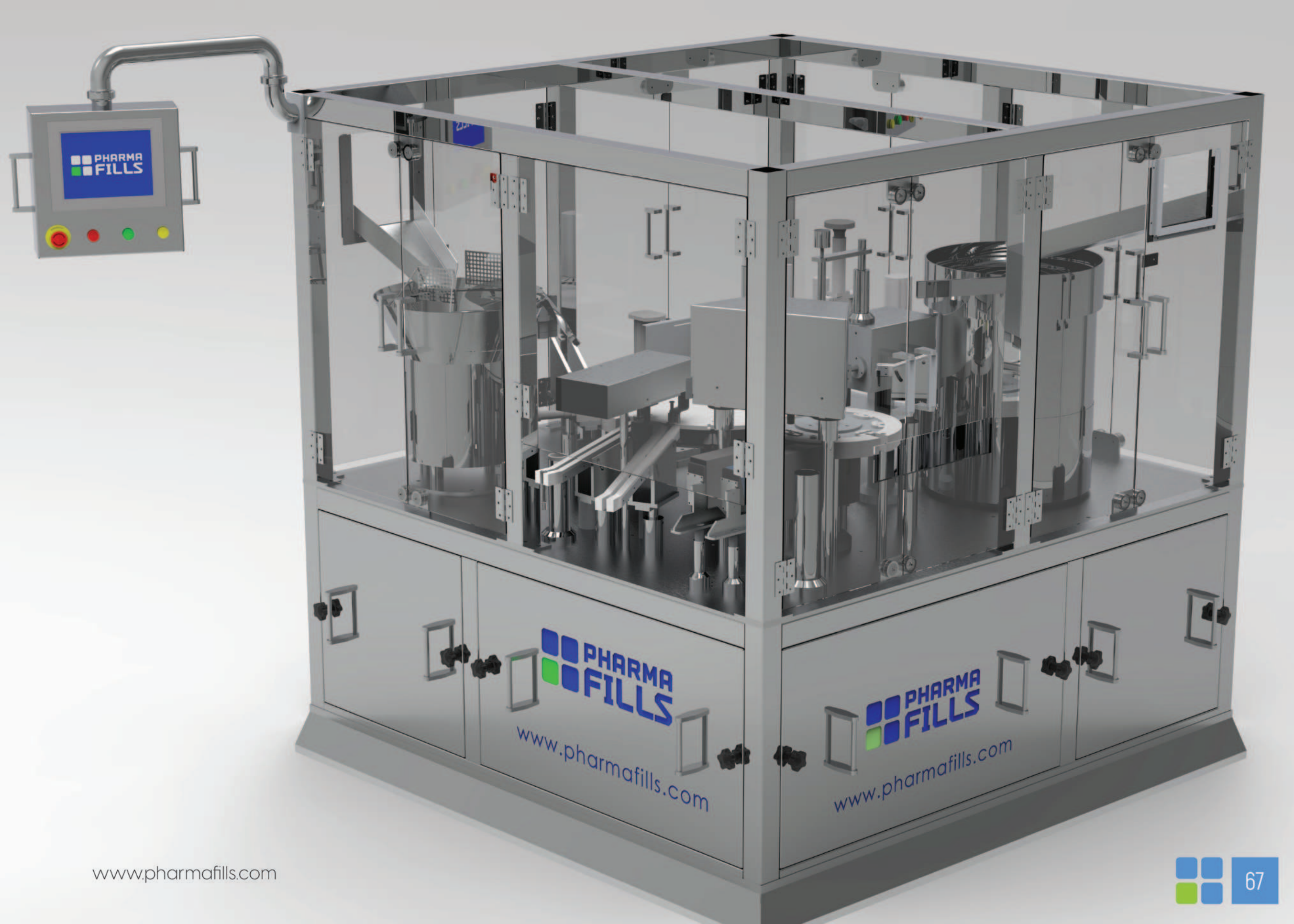
Machine Name	LAF Laminar Air Flow Hood Modular	LAF Laminer Hava Akış Kabini Modüler	المعيارية LAF وحدة تدفق الهواء الصفائحي
Airflow Type	Vertical/Horizontal Laminar Flow	Dikey/Yatay Laminer Akış	تدفق صفائحي عمودي/أفقي
Air Velocity	0.3 - 0.5 m/s	0.3 - 0.5 m/s	0.3 - 0.5 م/ث
Filtration System	HEPA & Pre-Filter	HEPA & Ön Filtre	فلتر HEPA وفلتر أولي
Size	Customizable	Özelleştirilebilir	يمكن تخصيصه
Material	Stainless Steel/Aluminum	Paslanmaz Çelik/Alüminyum	فولاذ مقاوم للصدأ/ألومنيوم
Control System	PLC with Touchscreen	PLC Dokunmatik Ekran	PLC بشاشة لمس
Power Requirement	Depends on size	Boyut bağlı	يعتمد على الحجم
Noise Level	≤65 dB	≤65 dB	≥65 ديسيبل

Pre Filled Gel Syringe Filling Capping Machine Under Vacuum



Technical Specifications	Technical Specifications	المواصفات الفنية	التفاصيل/Detaylar / التفاصيل
Vial Filling Machine	Ürün Adı	اسم المنتج	Vial Filling Machine
Model	Model	الموديل	PH-FILL-V2
Production Capacity	Üretim Kapasitesi	القدرة الإنتاجية	8 vials/minute
Vial Type	Vial Türü	نوع الفبال	Glass/Plastic
Vial Capacity	Vial Kapasitesi	سعة الفبال	1 ml/10 ml/50 ml
Control System	Kontrol Sistemi	نظام التحكم	PLC
User Interface	Kullanıcı Arayüzü	واجهة المستخدم	Touchscreen
Power Source	Güç Kaynağı	مصدر الطاقة	Electric (220 Volts)
Filling System	Dolum Sistemi	نظام التعبئة	Precision Automatic Filling DOSING PUMP
Verification System	Doğrulama Sistemi	نظام التحقق	Inclusion Detector /Barcode Scanner





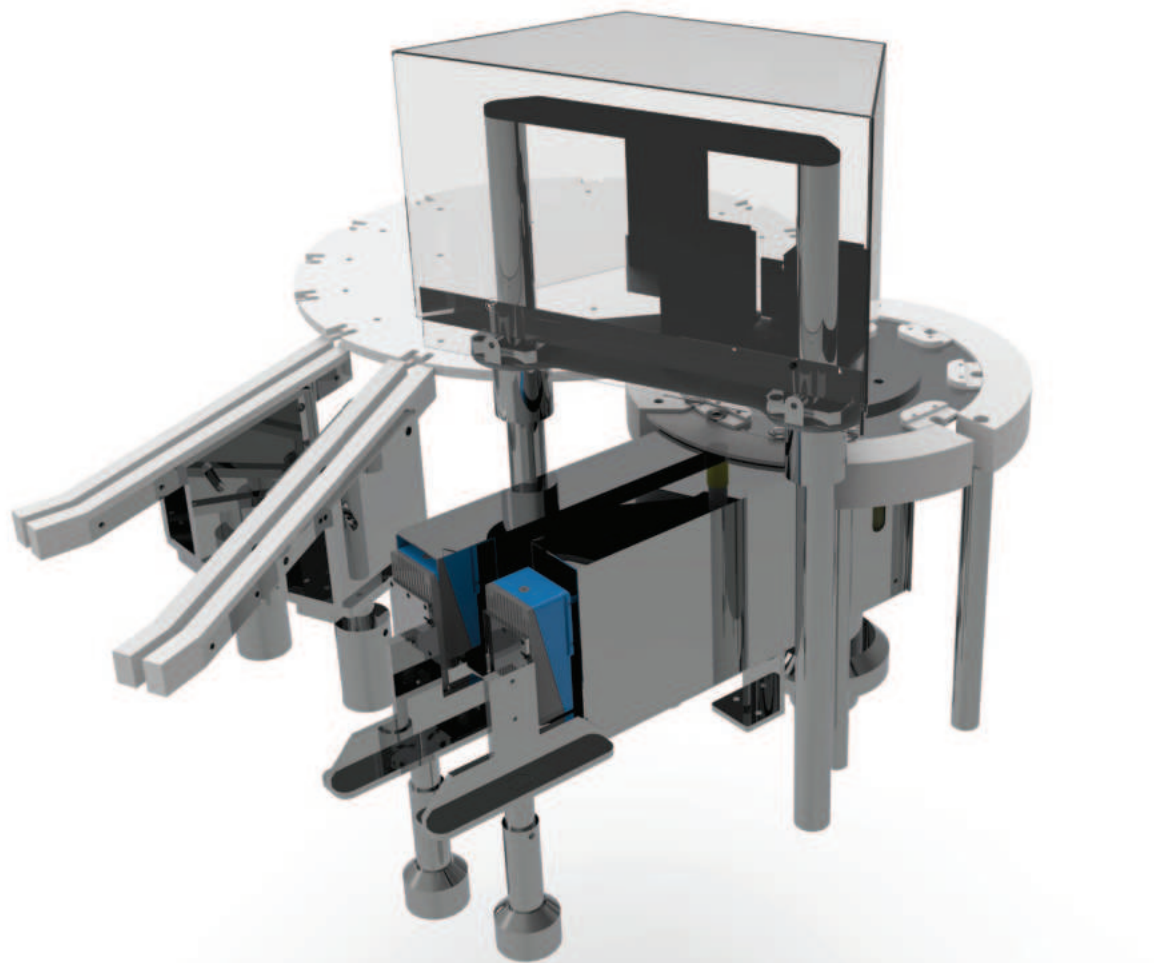
syringe assembly machine RTU vials, syringes and cartridges

The syringe assembly machine is a precision-engineered system designed to automate the assembly of RTU (Ready-To-Use) vials, syringes, and cartridges, ensuring high efficiency, sterility, and compliance with pharmaceutical manufacturing standards. The process begins with the Plunger Rod insertion, where the machine accurately positions and secures the plunger rod into the syringe barrel, maintaining strict tolerances to prevent misalignment or leakage. Next, the Labeling stage applies critical product information, such as lot numbers, expiration dates, and dosage details, using advanced vision systems to verify placement accuracy and legibility for regulatory traceability. The Backstop assembly follows, integrating a mechanical stop to control plunger movement, ensuring consistent depth and preventing over-insertion during drug administration. Finally, the Optical Inspection Systems phase installs mechanisms such as needle shields or retractable systems to mitigate needlestick injuries, enhancing user safety. Each step is executed in a controlled environment to preserve sterility, with integrated sensors and quality checks to detect defects and maintain compliance with ISO and FDA guidelines. This automated workflow streamlines production, minimizes human intervention, and delivers reliable, ready-to-use medical devices tailored for injectable therapies.



Optical Inspection Systems For Syringes

Optical inspection systems for syringes are critical quality control components in pharmaceutical manufacturing, designed to detect physical defects, particulate contamination, and fill-level inconsistencies in pre-filled syringes. The process begins as syringes are transported into the inspection station where high-resolution cameras and advanced lighting systems (e.g., LED backlighting, coaxial illumination) capture detailed images of the syringe barrel, plunger, tip cap, and liquid contents. Multi-angle cameras ensure 360° visibility to scan for defects such as cracks, scratches, mold lines, or particulate matter (e.g., glass fragments, fibers) suspended in the drug solution. For fill-level verification, backlighting or laser sensors measure the meniscus of the liquid column to ensure dosing accuracy. Plunger position and stopper integrity are also analyzed to confirm proper sealing. Advanced image-processing software uses algorithms (e.g., AI/ML-based pattern recognition) to compare captured images against predefined acceptance criteria, flagging syringes with deviations. Defective units are automatically ejected via pneumatic or mechanical reject mechanisms. The system logs inspection data for traceability, generating reports for regulatory compliance . Key features include high-speed inspection (hundreds to thousands of syringes per minute), adaptive sensitivity settings for different drug formulations (clear vs. opaque liquids), and compliance with GMP standards. By ensuring defect-free syringes, optical inspection safeguards patient safety, reduces waste, and maintains product consistency in sterile injectable production.



labeling system

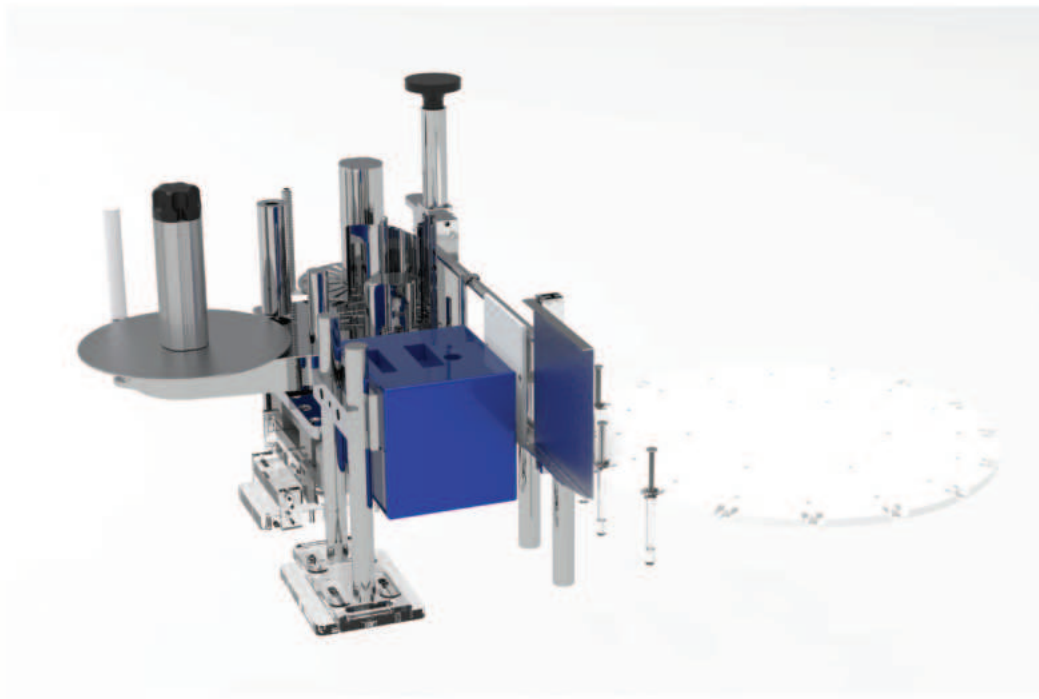
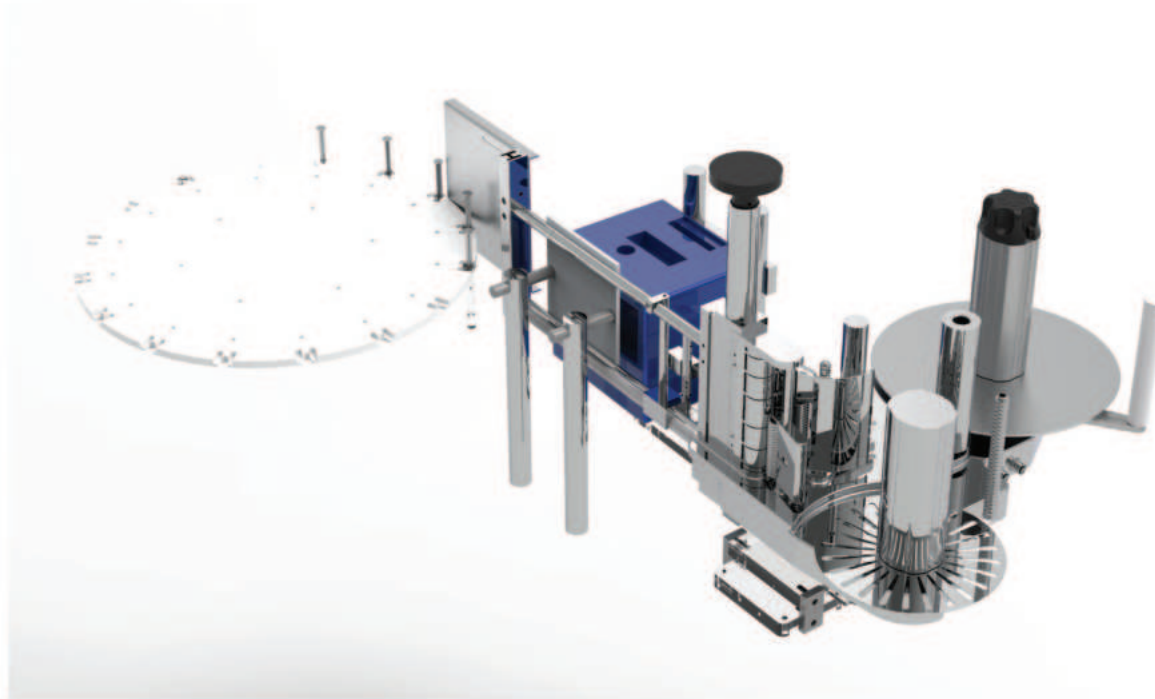
Pharmaceutical-Grade Materials: Stainless steel or FDA-compliant plastics to prevent contamination.

Regulatory Compliance: Adheres to GMP, FDA 21 CFR Part 11 (electronic records), and EU Annex 11.

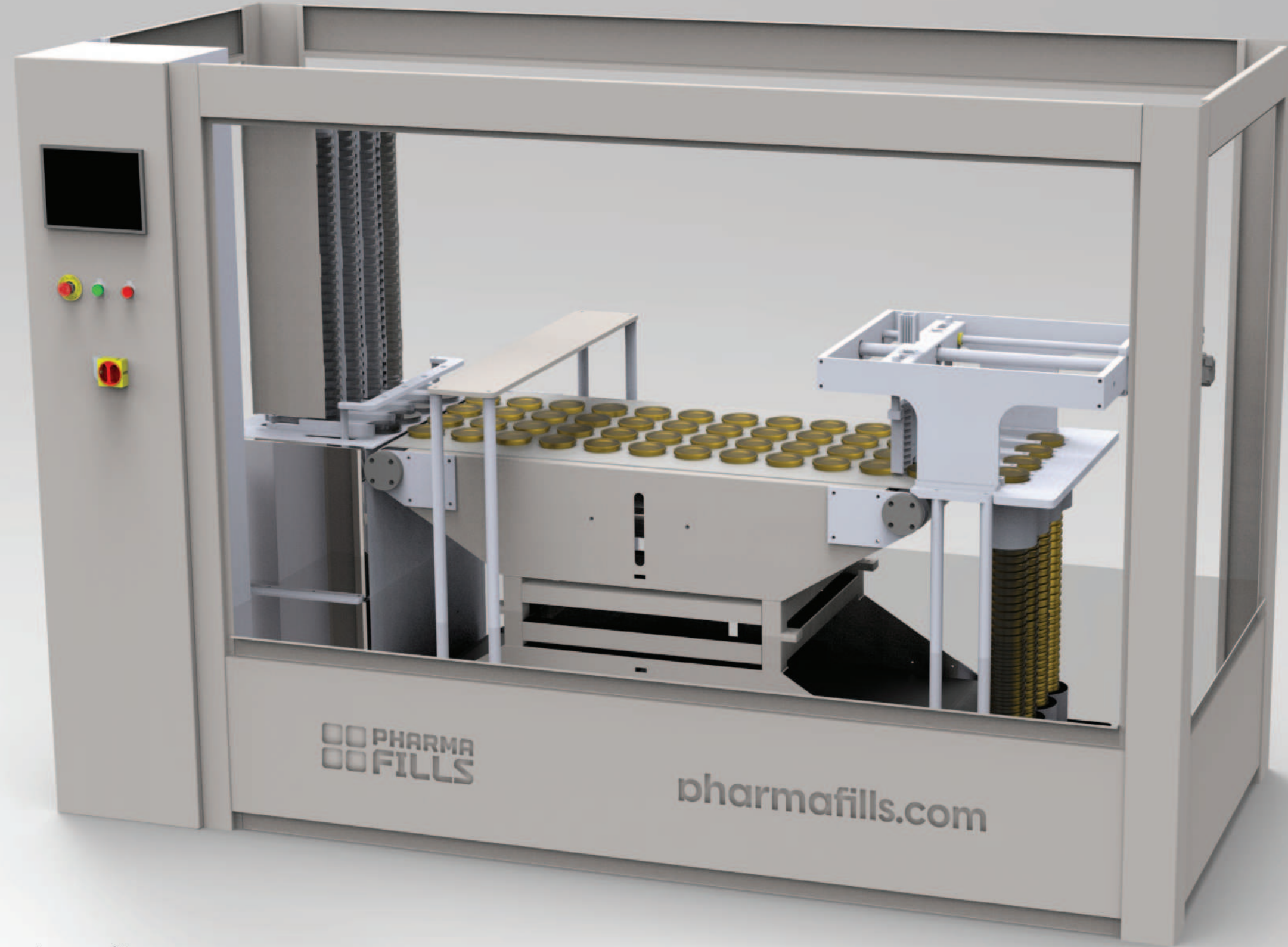
Quick Changeover: Adjustable fixtures and programmable settings allow rapid switching between container sizes/label types.

Traceability: Integrated software logs batch data, timestamps, and inspection results for audit trails.

High-Speed Operation: Synchronized with upstream/downstream processes to handle hundreds of units per minute.



Betri Dish Filling Machines



Betri Dish Filling Machines



Technical Specifications	Teknik Özellikler	المواصفات الفنية	التفاصيل/Details
Product Name	Ürün Adı	اسم المنتج	Betri Dish Filling Machine
Model	Model	الموديل	XYZ-123
Production Capacity	Üretim Kapasitesi	القدرة الإنتاجية	50 dishes/minute
Dish Type	Dish Türü	نوع الديش	Standard Betri Dish
Dish Size	Dish Boyutu	حجم الديش	90 mm diameter
Control System	Kontrol Sistemi	نظام التحكم	PLC
User Interface	Kullanıcı Arayüzü	واجهة المستخدم	Touchscreen
Power Source	Güç Kaynağı	مصدر الطاقة	Electric (220 volts)
Filling System	Dolum Sistemi	نظام التعبئة	High-precision automatic filling
Verification System	Doğrulama Sistemi	نظام التحقق	Leak detection and counting
Packaging Material	Ambalaj Malzemesi	مادة التغليف	Plastic/Paper
Additional Options	Ek Seçenekler	خيارات إضافية	Automatic cleaning system/Network connectivity

Single-jacket Tank Vacuum Mixer Machine

Model:	Technical Specifications
Function:	Mixture of water-based pharmaceutical solutions and powders
Total volume	40 liters
Working volume	5 to 35 liters
Pressure temperature tank design (min/max)	Fluid, Steam/ 6 bars
Vacuum applied	-0.9 bar
Double jacket design pressure (min/max):	3 bars
Double jacket working pressure	atmospheric pressure
Type of fluid	Steam/Water.
materials in contact with the product are made of :	stainless steel AISI 316T
Finishes	All parts in contact with the product have a mirror polished finish, Ra <0.3 µm

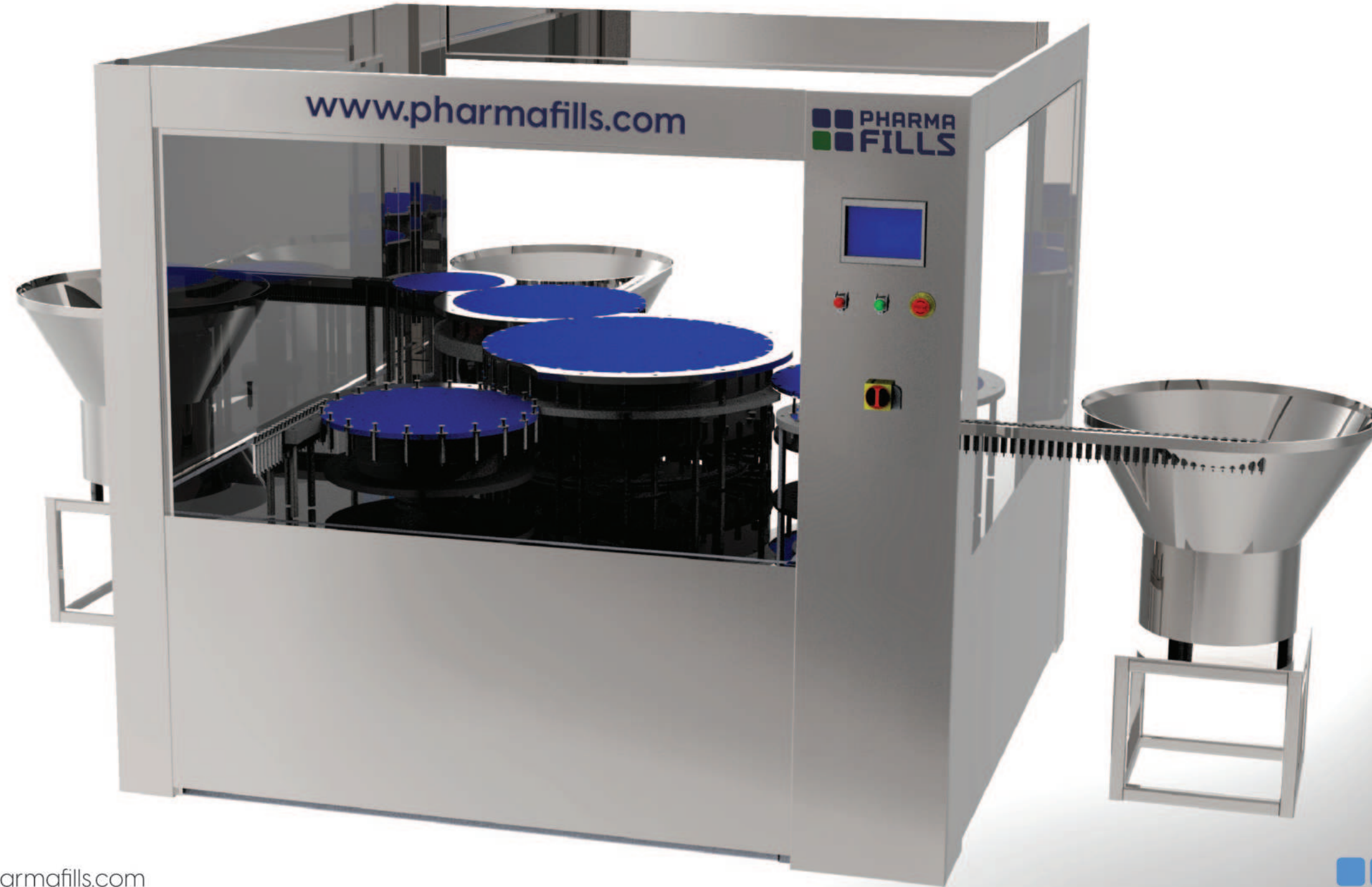


Vacuum Mixer machine

Model:	Technical Specifications
model	PHARMA-FILL-T-V-12L
Total volume	12 liters
Working volume	3 to 10 liters
Tank operating temperature (min/max):	0/95°C
Double jacket design temperature (min /max):	0/95°C
Pressure temperature tank design (min/max)	Fluid, Steam/ 6 bars
Vacuum applied	-0.9 bar
Double jacket design pressure (min/max):	3 bars
Double jacket working pressure	atmospheric pressure
Type of fluid	Steam/Water.
materials in contact with the product are made of :	stainless steel AISI 316T
Finishes	All parts in contact with the product have a mirror polished finish, Ra <0.3 µm



Syringe Assembly Machine



Syringe Assembly Machine



Technical Specifications	Technical Specifications	المواصفات الفنية	التفاصيل/Details/Detaylar
Machine Type	Makine Türü	نوع الآلة	Syringe Assembly Machine
Production Capacity	Kapasite	طاقة الإنتاج	10,000 per hour
Syringe Type	Şiringa Türü	نوع السرنج	To be determined
Feeding System	Besleme Sistemi	نظام التغذية	Automatic
Pressure System	Basınç Sistemi	نظام الضغط	Pneumatic
Control System	Kontrol Sistemi	نظام التحكم	Automatic
Supported Languages	Desteklenen Diller	اللغات المدعومة	[English, Turkish, Arabic]
Inspection System	İnceleme Sistemi	نظام الفحص	Automatic
Packaging System	Ambalajlama Sistemi	نظام التعبئة	Automatic
Power Requirements	Güç Gereksinimleri	متطلبات الطاقة	Three-phase electricity



Blister Packaging Machine – Semi-Automatic – Technical Specifications



Blister Packaging Machine – Semi-Automatic – Technical Specifications

Stage	Stage	مرحلة	sahne
Application	Semi-automatic blister packaging of solid products (tablets, capsules, small parts)	تغليف شرائحي شبه أوتوماتيكي للمنتجات الصلبة مثل الأقراص والكبسولات	Katı ürünler için yarı otomatik blister paketleme (tablet, kapsül vb.)
Machine Type	Semi-Automatic	شبه أوتوماتيكية	Yarı Otomatik
Blister Material	PVC, PVDC, PET, ALU	ألمنيوم, PVC, PVDC, PET	PVC, PVDC, PET, ALU
Sealing Type	Heat Sealing	الختم الحراري	Isı ile Yapıştırma
Operation	Manual loading, automatic sealing	تحميل يدوي، وختم أوتوماتيكي	Elle yükleme, otomatik mühürleme
Forming Method	Pre-formed blister or optional forming mold	قوالب جاهزة أو تشكيل اختياري داخل الماكينة	Önceden şekillendirilmiş blister veya kalıpla şekil verme
Max Forming Area	Approx. 240 x 150 mm	تقريباً 240 x 150 مم	Yaklaşık 240 x 150 mm
Max Depth	Up to 25 mm	حتى عمق 25 مم	25 mm derinliğe kadar
Speed	8 – 15 cycles/min (depending on operator)	8 – 15 دورة بالدقيقة (حسب سرعة العامل)	8 – 15 çevrim/dk (operatöre bağlı)
Control Panel	Digital temperature controller + Timer	متحكم حرارة رقمي + مؤقت	Dijital ısı kontrolü + Zamanlayıcı
Power Supply	220V / 50Hz – 2kW	220 فولت / 50 هرتز - 2 كيلوواط	220V / 50Hz – 2kW
Air Supply	0.6 – 0.8 MPa	ضغط هواء: 0.6 – 0.8 ميجاباسكال	Hava Basıncı: 0.6 – 0.8 MPa
Material Contact	Stainless Steel AISI 304	أISI 304 المقاوم للصدأ	Paslanmaz Çelik AISI 304



**Stainless steel equipment
designed for sensitive environments
such as medical manufacturing facilities**

Black & White Visual Inspection Background
Wall-Hanging with Light

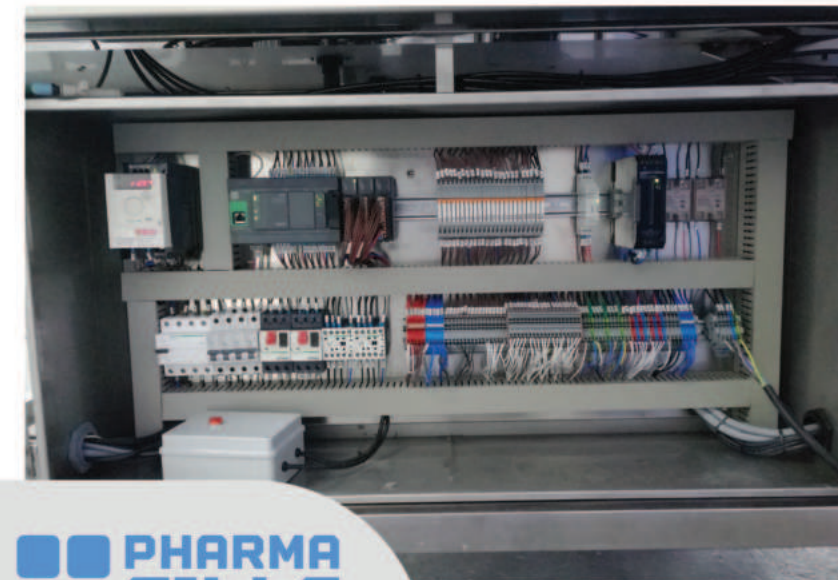


	Conveyor for syringe transport		Stainless Steel Medical Hygiene Sink
	Stainless Steel Service Cart		Stainless Steel Sterile Linen Container
	Stainless Steel Cabinet		Stainless Steel Sterile Footwear Stand
	Stainless Steel Sterile Storage Cabinet		Stainless Steel Pharma Precision Table
	Stainless Steel Sterile Production Table		Stainless Steel Pharma Workbench
	Stainless Steel Work Surface		

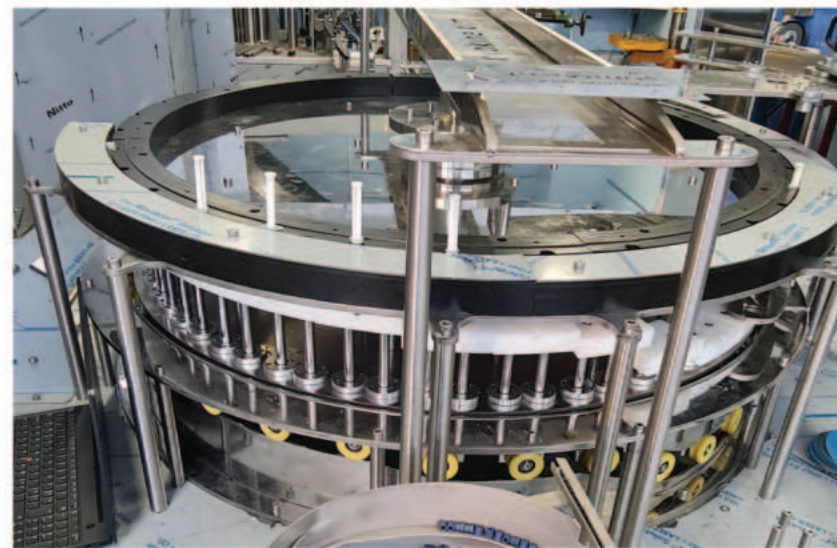
Manufacturing



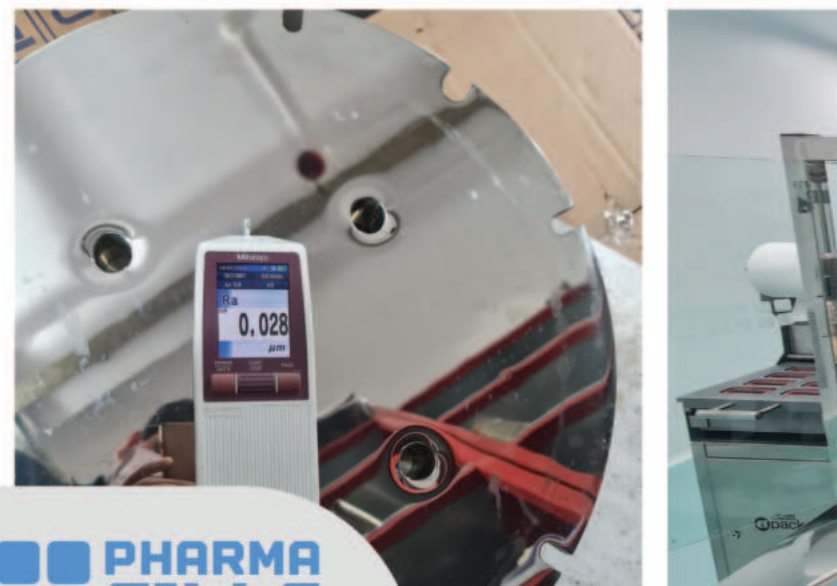
Electricity



Pharmafills



Pharmafills

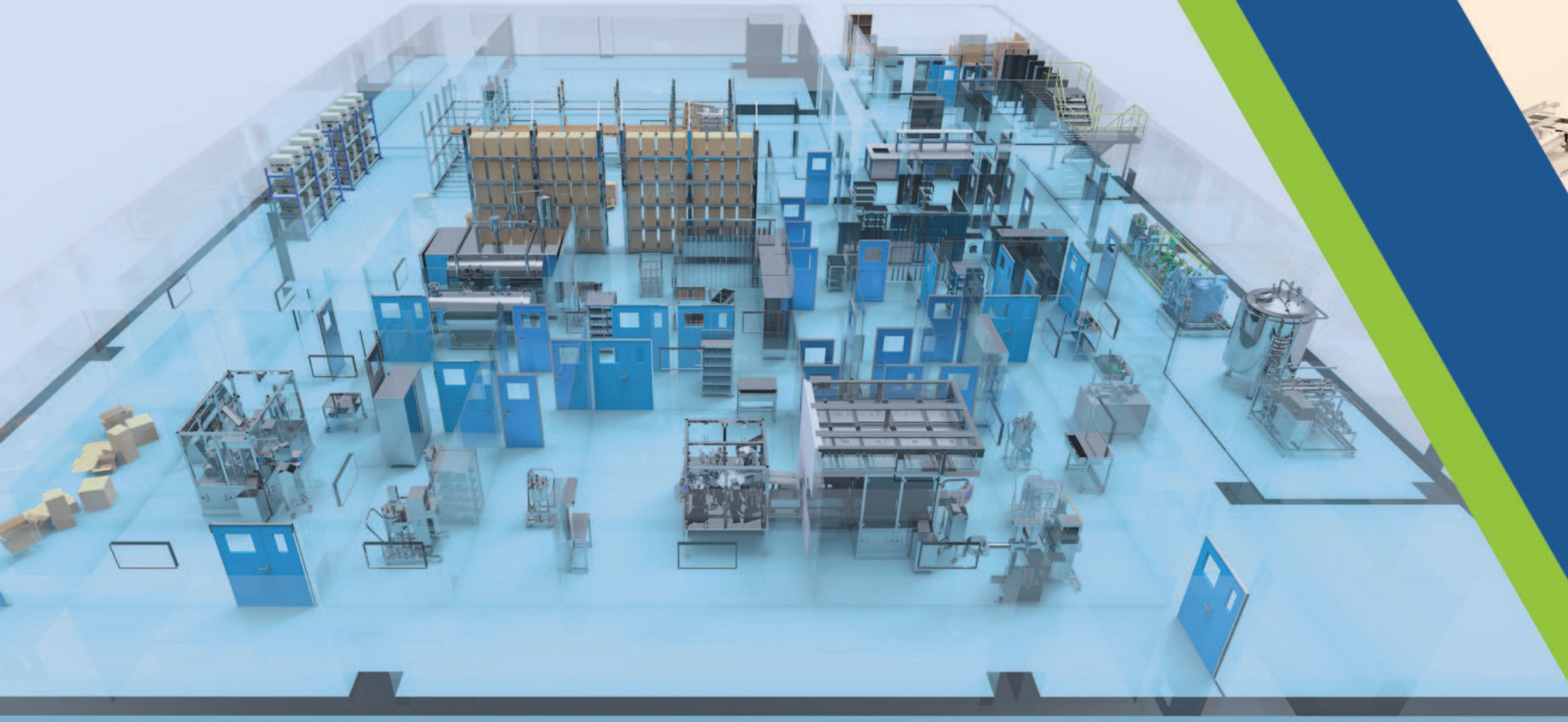




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**mavi
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filling machinery



**PHARMA
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