HIRSCH Technology

Preexpanders

CONTENTS

Explore HIRSCH Preexpanders

Why HIRSCH Preexpanders

We are the **technology leader** in the manufacture of preexpanders.

We do not just promise a **minimum density tolerance,** we deliver it!

We are the best supplier of **vacuum preexpanders,** which ensures optimum stabilization and shorter storage time.

Our 50 years in the EPS industry ensures the **most experienced employees** in machinery and application engineering.

Every preexpander is **fully tested** under manufacturing conditions before leaving our factory.

Our preexpanders are the **most operator friendly** on the market.

Ideal for	PREEX 1000	PREEX 2000/EPP	PREEX 5000	PREEX 6000	PREEX 6000 XXL	PREEX 7000	PREEX 8000	PREEX 9000	PREEX 14000	PREEX 18000
EPP		●								
Small batches	●	●								
Lost foam	●	●								
High density	●	●	●							
Cup bead	●	●	●	●						
Helmet material	●	●	●							
Laboratory use	●	●								
Arcel			●	●	●	●				
Stucco bead				●						
State-of-the-art shape molding				●	●					
Shape molding and small volume block molding						●				
High volume shape molding and medium volume block molding							●	●		
Block molding							●	●	●	●
Bean bag beads								●	●	●
Packaging chips								●	●	●
Colored material	●	●	●	●	●	●	●	●	●	●

The five pillars for a perfect preexpanding process

If you build on these five pillars, it is possible to produce with a density tolerance of less than +/-1%!

Density tolerance of 22.5 g/l at the Preexpander

Density tolerance of 22.5 g/l in the storage silo

1.

Supply lines:

The expansion process starts with the layout of the supply lines for steam, compressed air and water (for HIRSCH Vacuum Preexpanders). The drain and vent lines are important and often underestimated. Take advantage of our profound design experience!

2.

Maintenance:

Regular maintenance and servicing are essential for a long and trouble-free service life of your HIRSCH Preexpander. You can carry out some of the maintenance work yourself, but you should leave the annual maintenance to an experienced HIRSCH technician. Around 80% of error messages are due to insufficient or missing maintenance. Take advantage of our individual on-site training offer!

3.

Operator training:

Only trained operators are able to preexpand the raw material within a minimum density tolerance and in the required quality to obtain the perfect end product. Take advantage of our know-how, which we, as the world‘s only supplier of innovative machine and mold making technology, also obtain every day from more than 30 own production plants!

4.

Quality of raw material:

Make sure you have the right specification when purchasing raw materials. What is the final product? What is the final density? What throughput capacity do you need? Create the ideal conditions to achieve the maximum performance in terms of minimum density, density tolerance and throughput!

5.

Material transport and silo system:

The design of the transport line, the silo size and the room temperature are decisive for the final density and have a significant influence on the density tolerance. Take advantage of our extensive experience in design making! The protocol of the HIRSCH PREEX 7000 (1 m^3) makes it clear!

HIRSCH Batch Preexpanders

HIRSCH has been manufacturing batch preexpanders since 1985 and has established itself as the technology leader for know-how and innovation.

There are two different types of batch preexpanders offered:

- the models vacutrans PREEX with **vacuum technology** for shape molding
- the models vacutrans PREEX with **fluidized bed** for block and shape molding or for processing small batches and special materials

The **raw material is transferred (1)** from the charge hopper to the **dosing system (2)** either by screw conveyor or suction device. From there it is metered into the **weighing unit (3).** The batch weight will be **filled automatically (4)** into the **expansion chamber (5).**

Steam then enters into the expansion chamber in a controlled way and causes the EPS to expand to a level monitored by vibration sensors. When the level is reached, the steaming is stopped, the expansion chamber opens and the preexpanded EPS transfers either to the **vacuum chamber or fluidized bed (6)** for drying and stabilization. After stabilization the batch is discharged into the **lump screening unit (7)** and from there transferred into the storage silos. At every single batch a sample for the **automatic density regulation** will be taken **(8).** To assist environmental control, the gases released during the process can be collected in an integrated vent system for further use.

The level monitoring system guarantees a constant expansion volume, the density therefore is proportional to the raw material weight - the higher the initial weight, the higher the density achieved.

All HIRSCH batch preexpanders are equipped with a **touch user panel (9)** for operator interface, which features all settings for the preexpanders as well as recipe storage, process parameter control and evaluation, remote control and teleservice. The **gravimetric multi pass unit (page 8) (10)** enables a second expansion pass on a batch preexpander to reduce densities down to 8 g/l.

Batch PREEXPANDER with vacuum technology

1 Raw material transport
2 Dosing system
3 Weighing unit
4 Fully automatic filling
5 Expansion vessel and steaming
6 Vacuum transfer and vacuum chamber technology
7 Lump screening unit
8 Density weighing unit
9 Touch user panel

Batch PREEXPANDER with fluidized bed

1 Raw material transport
2 Dosing system
3 Weighing unit
4 Fully automatic filling
5 Expansion vessel and steaming
6 Transfer and fluidized bed technology
7 Lump screening unit
8 Density weighing unit
9 Touch user panel
10 Multi pass unit

Options	PREEX 1000	PREEX 2000/EPP	PREEX 5000	PREEX 6000	PREEX 6000 XXL	PREEX 7000	PREEX 8000	PREEX 9000	PREEX 14000	PREEX 18000
Density weighing and control system (DWS)	●	●	●	●	●	●	●	●	●	●
High density unit (PHD)	●	●	●	●	●	●	●	●	●	●
Additional level switch	●	●	●	●	●	●	●	●	●	●
Gravimetric dosing option (EPP)		●								
EPS upgrade		●								
Multi pass unit (MPU) incl. accessories			●	●	●	●	●	●	●	●
Pressure reduction valve	●	●	●	●	●	●	●	●	●	●
Heating device fluidized bed / transport pipe	●	●	●	●	●	●	●	●	●	●
Electronic regulator for heating device	●	●	●	●	●	●	●	●	●	●
Raw material hopper	●	●	●	●	●	●	●	●	●	●
2nd screw conveyor	●	●	●	●	●	●	●	●	●	●
Preparation for additional screw	●	●	●	●	●	●	●	●	●	●
Raw material feeding by vacuum	●	●	●	●	●	●				
Suction device for cleaning fluidized bed	●	●	●	●	●	●	●	●	●	●
Color mixing unit	●	●	●	●	●	●	●	●	●	●
Central greasing device	●	●	●	●	●	●	●	●	●	●
Database-Managementtool	●	●	●	●	●	●	●	●	●	●
Energy-sensor-package	●	●	●	●	●	●	●	●	●	●

IDEAL FOR
- Small batches
- Lost foam
- High density
- Cup bead
- Helmet material
- Laboratory use
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)	32 g/l (2 lb/ft³)
PREEX 1000	60 kg/h (133 lb/h)	90 kg/h (200 lb/h)	110 kg/h (240 lb/h)	120 kg/h (265 lb/h)

PREEX 1000

Technische Daten	
Außenabmessungen (L x B x H)	3250 x 2010 x 3800 mm
Erforderliche Raumhöhe	5000 mm
Gewicht	1500 kg
Durchmesser Schäumkessel	500 mm
Volumen Schäumkessel	150 l
Nutzvolumen	111 l

Technical data	
Outside dimensions (l x w x h)	10‘8“ x 6‘7“ x 12‘10“
Required room height	12‘6“
Weight	3300 lb
Expansion chamber diameter	20“
Expansion chamber volume	5.3 ft^3
Useable volume	3.9 ft^3

Données techniques	
Dimensions (l x l x h)	3250 x 2010 x 3800 mm
Hauteur exigée de l‘espace	5000 mm
Poids	1500 kg
Diamètre chaudière d’expansion	500 mm
Volume chaudière d’expansion	150 l
Volume utile	111 l

Техни́ческие да́нные	
наружные размеры	3250 x 2010 x 3800 миллиметр
требуемая высота помещения	5000 миллиметр
вес	1500 килограмм
диаметр камеры вспенивания	500 миллиметр
обьем камеры вспенивания	150 литр
используемый обьем	111 литр

Datos técnicos	
Medidas (largo x ancho x alto)	3250 x 2010 x 3800 mm
Altura de techo necesaria	5000 mm
Peso	1500 kg
Diámetro cámara de expansión	500 mm
Volumen cámara de expansión	150 l
Volumen útil	111 l

PREEX 2000 & PREEX 2000 EPP

Technische Daten	
Außenabmessungen (L x B x H)	3515 x 2150 x 4500 mm
Erforderliche Raumhöhe	5000 mm
Gewicht	1900 kg
Durchmesser Schäumkessel	700 mm
Volumen Schäumkessel	375 l
Nutzvolumen	265 l

Technical data	
Outside dimensions (l x w x h)	11‘6“ x 7‘1“ x 14‘9“
Required room height	16‘5“
Weight	4200 lb
Expansion chamber diameter	28“
Expansion chamber volume	13.2 ft^3
Useable volume	9.4 ft^3

Données techniques	
Dimensions (l x l x h)	3515 x 2150 x 4500 mm
Hauteur exigée de l‘espace	5000 mm
Poids	1900 kg
Diamètre chaudière d’expansion	700 mm
Volume chaudière d’expansion	375 l
Volume utile	265 l

Техни́ческие да́нные	
наружные размеры	3515 x 2150 x 4500 миллиметр
требуемая высота помещения	5000 миллиметр
вес	1900 килограмм
диаметр камеры вспенивания	700 миллиметр
обьем камеры вспенивания	375 литр
используемый обьем	265 литр

Datos técnicos	
Medidas (largo x ancho x alto)	3515 x 2150 x 4500 mm
Altura de techo necesaria	5000 mm
Peso	1900 kg
Diámetro cámara de expansión	700 mm
Volumen cámara de expansión	375 l
Volumen útil	265 l

IDEAL FOR
- EPP
- Small batches
- Lost foam
- High density
- Cup bead
- Helmet material
- Laboratory use
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)	32 g/l (2 lb/ft³)
PREEX 2000/EPP	145 kg/h (320 lb/h)	210 kg/h (460 lb/h)	260 kg/h (575 lb/h)	270 kg/h (595 lb/h)

IDEAL FOR
- High density
- Cup bead
- Helmet material
- Arcel
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)	32 g/l (2 lb/ft³)
PREEX 5000	270 kg/h (600 lb/h)	400 kg/h (880 lb/h)	480 kg/h (1060 lb/h)	520 kg/h (1150 lb/h)

PREEX 5000

Technische Daten	
Außenabmessungen (L x B x H)	4000 x 2250 x 5000 mm
Erforderliche Raumhöhe	5500 mm
Gewicht	2700 kg
Durchmesser Schäumkessel	900 mm
Volumen Schäumkessel	700 l
Nutzvolumen	534 l

Technical data	
Outside dimensions (l x w x h)	13‘20“ x 7‘50“ x 16‘50“
Required room height	18‘10“
Weight	5952,48 lb
Expansion chamber diameter	3‘00“
Expansion chamber volume	24.72 ft^3
Useable volume	18.85 ft^3

Données techniques	
Dimensions (l x l x h)	4000 x 2250 x 5000 mm
Hauteur exigée de l‘espace	5500 mm
Poids	2700 kg
Diamètre chaudière d’expansion	900 mm
Volume chaudière d’expansion	700 l
Volume utile	534 l

Техни́ческие да́нные	
наружные размеры	4000 x 2250 x 5000 миллиметр
требуемая высота помещения	5500 миллиметр
вес	2700 килограмм
диаметр камеры вспенивания	900 миллиметр
обьем камеры вспенивания	700 литр
используемый обьем	534 литр

Datos técnicos	
Medidas (largo x ancho x alto)	4000 x 2250 x 5000 mm
Altura de techo necesaria	5500 mm
Peso	2700 kg
Diámetro cámara de expansión	900 mm
Volumen cámara de expansión	700 l
Volumen útil	534 l

PREEX 6000

Technische Daten	
Außenabmessungen (L x B x H)	2000 x 2000 x 4800 mm
Erforderliche Raumhöhe	6000 mm
Gewicht	2900 kg
Durchmesser Schäumkessel	900 mm
Volumen Schäumkessel	700 l
Nutzvolumen	534 l

Technical data	
Outside dimensions (l x w x h)	6‘7“ x 6‘7“ x 15‘9“
Required room height	19‘8“
Weight	6390 lb
Expansion chamber diameter	35.43“
Expansion chamber volume	24.5 ft^3
Useable volume	18.85 ft^3

Données techniques	
Dimensions (l x l x h)	2000 x 2000 x 4800 mm
Hauteur exigée de l‘espace	6000 mm
Poids	2900 kg
Diamètre chaudière d’expansion	900 mm
Volume chaudière d’expansion	700 l
Volume utile	534 l

Техни́ческие да́нные	
наружные размеры	2000 x 2000 x 4800 миллиметр
требуемая высота помещения	6000 миллиметр
вес	2900 килограмм
диаметр камеры вспенивания	900 миллиметр
обьем камеры вспенивания	700 литр
используемый обьем	534 литр

Datos técnicos	
Medidas (largo x ancho x alto)	2000 x 2000 x 4800 mm
Altura de techo necesaria	6000 mm
Peso	2900 kg
Diámetro cámara de expansión	900 mm
Volumen cámara de expansión	700 l
Volumen útil	534 l

IDEAL FOR
- Cup bead
- Arcel
- Stucco bead
- State-of-the-art shape molding
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)	32 g/l (2 lb/ft³)
PREEX 6000	280 kg/h (620 lb/h)	420 kg/h (930 lb/h)	500 kg/h (1100 lb/h)	530 kg/h (1170 lb/h)

IDEAL FOR
- Arcel
- State-of-the-art shape molding
- Colored material

Throughput at density	12 g/l (0.75lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)	32 g/l (2 lb/ft³)
PREEX 6000 XXL	660 kg/h (1460 lb/h)	960 kg/h (2120 lb/h)	1160 kg/h (2560 lb/h)	1250 kg/h (2750 lb/h)

PREEX 6000 XXL

Technische Daten	
Außenabmessungen (L x B x H)	2200 x 2200 x 5550 mm
Erforderliche Raumhöhe	6500 mm
Gewicht	5000 kg
Durchmesser Schäumkessel	1200 mm
Volumen Schäumkessel	1780 l
Nutzvolumen	1350 l

Technical data	
Outside dimensions (l x w x h)	7‘4“ x 7‘4“ x 18‘4“
Required room height	21‘4“
Weight	9260 lb
Expansion chamber diameter	40.30“
Expansion chamber volume	63 ft^3
Useable volume	47.7 ft^3

Données techniques	
Dimensions (l x l x h)	2200 x 2200 x 5550 mm
Hauteur exigée de l‘espace	6500 mm
Poids	5000 kg
Diamètre chaudière d’expansion	1200 mm
Volume chaudière d’expansion	1780 l
Volume utile	1350 l

Техни́ческие да́нные	
наружные размеры	2200 x 2200 x 5550 миллиметр
требуемая высота помещения	6500 миллиметр
вес	5000 килограмм
диаметр камеры вспенивания	1200 миллиметр
обьем камеры вспенивания	1780 литр
используемый обьем	1350 литр

Datos técnicos	
Medidas (largo x ancho x alto)	2200 x 2200 x 5550 mm
Altura de techo necesaria	6500 mm
Peso	5000 kg
Diámetro cámara de expansión	1200 mm
Volumen cámara de expansión	1780 l
Volumen útil	1350 l

PREEX 7000

Technische Daten	
Außenabmessungen (L x B x H)	6500 x 2400 x 4800 mm
Erforderliche Raumhöhe	5000 mm
Gewicht	4000 kg
Durchmesser Schäumkessel	1100 mm
Volumen Schäumkessel	1,5 m^3
Nutzvolumen	1350 l

Technical data	
Outside dimensions (l x w x h)	21‘4“ x 7‘10“ x 15‘9“
Required room height	16‘5“
Weight	8818 lb
Expansion chamber diameter	43“
Expansion chamber volume	53 ft^3
Useable volume	47.7 ft^3

Données techniques	
Dimensions (l x l x h)	6500 x 2400 x 4800 mm
Hauteur exigée de l‘espace	5000 mm
Poids	4000 kg
Diamètre chaudière d’expansion	1100 mm
Volume chaudière d’expansion	1,5 m^3
Volume utile	1350 l

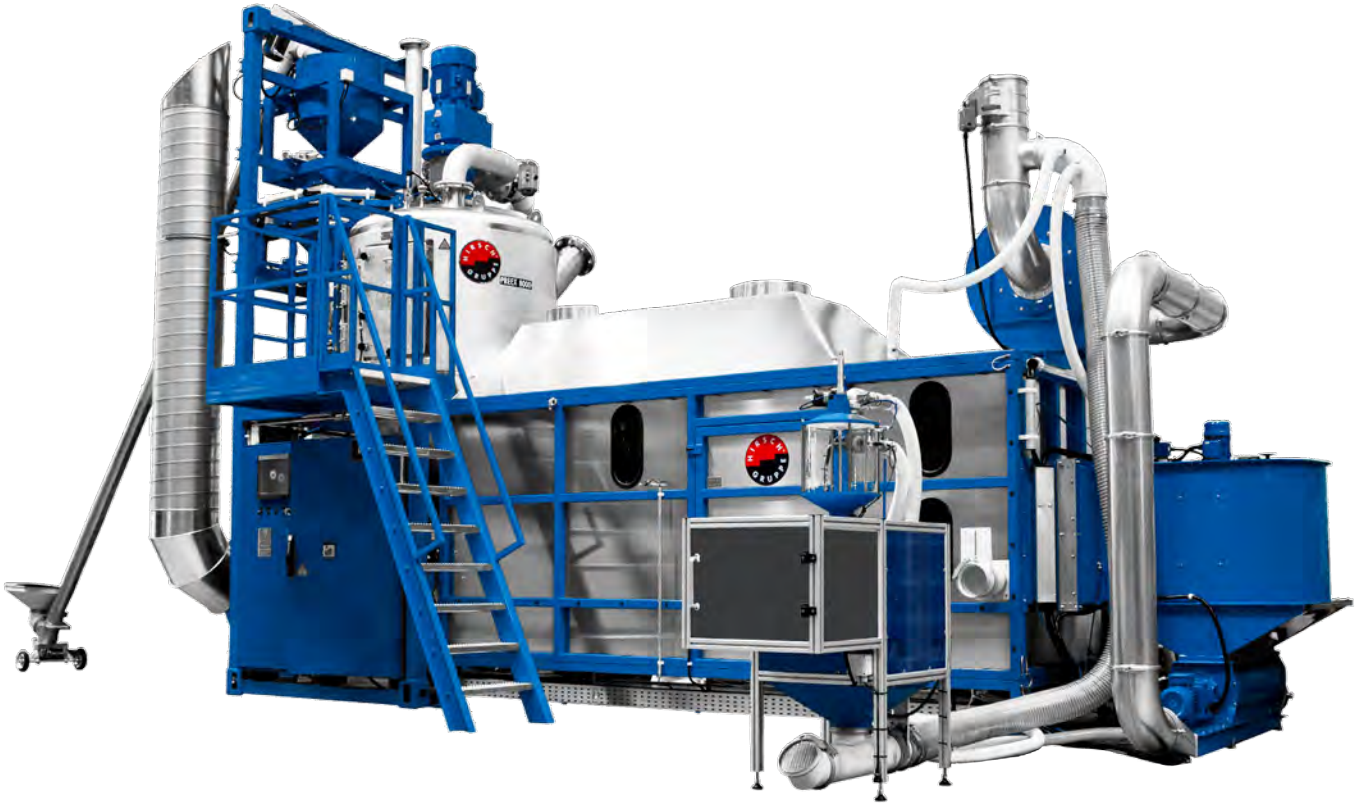
Техни́ческие да́нные	
наружные размеры	6500 x 2400 x 4800 миллиметр
требуемая высота помещения	5000 миллиметр
вес	4000 килограмм
диаметр камеры вспенивания	1100 миллиметр
обьем камеры вспенивания	1,5 $метр^3$
используемый обьем	1350 литр

Datos técnicos	
Medidas (largo x ancho x alto)	6500 x 2400 x 4800 mm
Altura de techo necesaria	5000 mm
Peso	4000 kg
Diámetro cámara de expansión	1100 mm
Volumen cámara de expansión	1,5 m^3
Volumen útil	1350 l

IDEAL FOR
- Arcel
- Shape molding and small volume block molding
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)	32 g/l (2 lb/ft³)
PREEX 7000	660 kg/h (1460 lb/h)	960 kg/h (2120 lb/h)	1160 kg/h (2560 lb/h)	1250 kg/h (2750 lb/h)

IDEAL FOR
- High volume shape molding and medium volume block molding
- Block molding
- Colored material



Throughput at density	12 g/l (0.75lb/ft³)	15 g/l (0.94 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)
PREEX 8000	1045 kg/h (2300 lb/h)	1280 kg/h (2820 lb/h)	1500 kg/h (3300 lb/h)	1800 kg/h (3960 lb/h)

PREEX 8000

Technische Daten	
Außenabmessungen (L x B x H)	8620 x 2675 x 5550 mm
Erforderliche Raumhöhe	6000 mm
Gewicht	6000 kg
Durchmesser Schäumkessel	1200/1500 mm
Volumen Schäumkessel	2,9 m^3
Nutzvolumen	2,2 m^3

Technical data	
Outside dimensions (l x w x h)	28‘40“ x 8‘10“ x 18‘30“
Required room height	19‘80“
Weight	13227.74 lb
Expansion chamber diameter	3‘11“ / 4‘11“
Expansion chamber volume	102.76 ft^3
Useable volume	77.69 ft^3

Données techniques	
Dimensions (l x l x h)	8620 x 2675 x 5550 mm
Hauteur exigée de l‘espace	6000 mm
Poids	6000 kg
Diamètre chaudière d’expansion	1200/1500 mm
Volume chaudière d’expansion	2,9 m^3
Volume utile	2,2 m^3

Техни́ческие да́нные	
наружные размеры	8620 x 2675 x 5550 миллиметр
требуемая высота помещения	6000 миллиметр
вес	6000 килограмм
диаметр камеры вспенивания	1200/1500 миллиметр
обьем камеры вспенивания	2,9 $метр^3$
используемый обьем	2,2 $метр^3$

Datos técnicos	
Medidas (largo x ancho x alto)	8620 x 2675 x 5550 mm
Altura de techo necesaria	6000 mm
Peso	6000 kg
Diámetro cámara de expansión	1200/1500 mm
Volumen cámara de expansión	2,9 m^3
Volumen útil	2,2 m^3

PREEX 9000

Technische Daten	
Außenabmessungen (L x B x H)	8800 x 3000 x 5200 mm
Erforderliche Raumhöhe	6000 mm
Gewicht	6800 kg
Durchmesser Schäumkessel	1600 mm
Volumen Schäumkessel	4,0 m^3
Nutzvolumen	3,2 m^3

Technical data	
Outside dimensions (l x w x h)	29‘ x 9‘10“ x 17‘
Required room height	19‘8“
Weight	15000 lb
Expansion chamber diameter	63“
Expansion chamber volume	150 ft^3
Useable volume	115 ft^3

Données techniques	
Dimensions (l x l x h)	8800 x 3000 x 5200 mm
Hauteur exigée de l‘espace	6000 mm
Poids	6800 kg
Diamètre chaudière d’expansion	1600 mm
Volume chaudière d’expansion	4,0 m^3
Volume utile	3,2 m^3

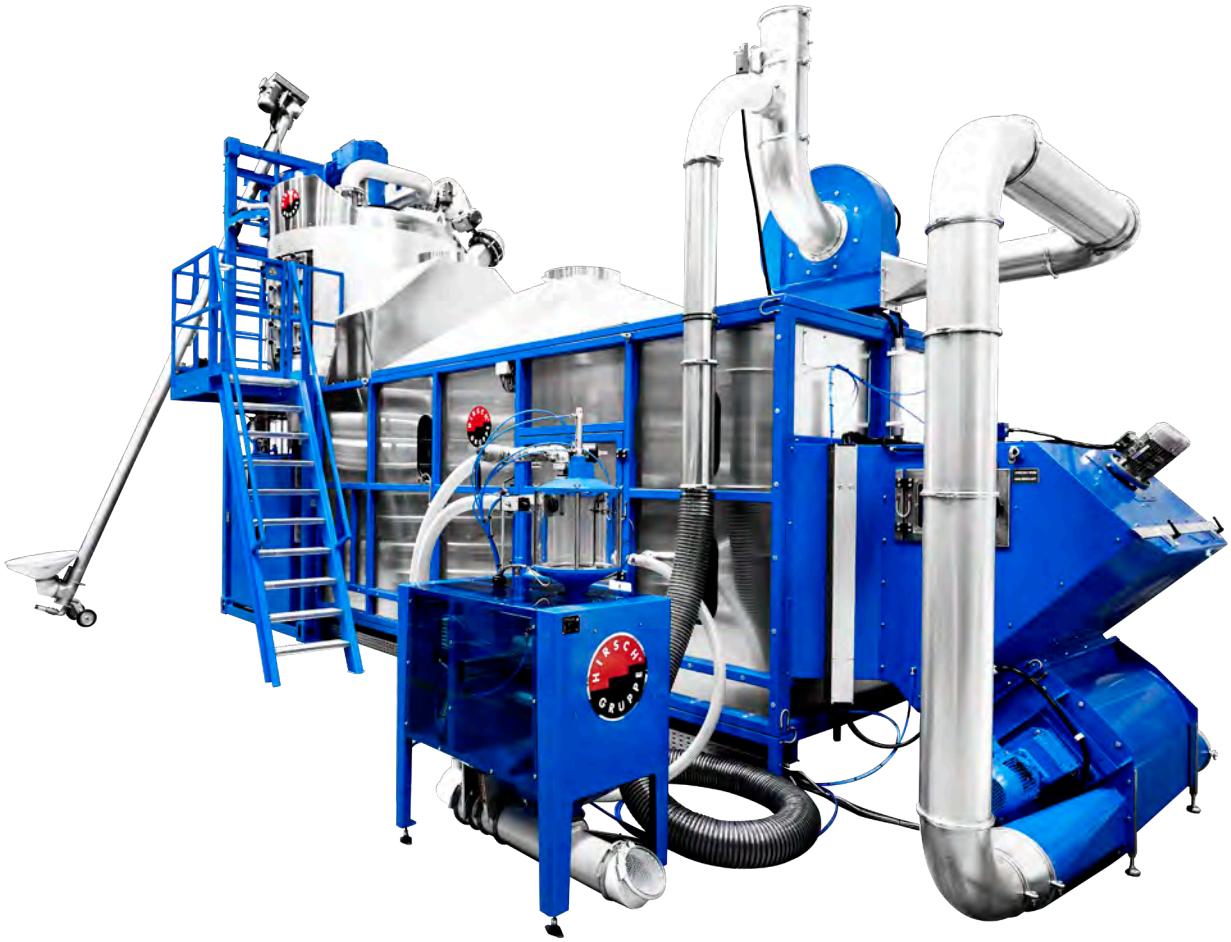
Техни́ческие да́нные	
наружные размеры	8800 x 3000 x 5200 миллиметр
требуемая высота помещения	6000 миллиметр
вес	6800 килограмм
диаметр камеры вспенивания	1600 миллиметр
обьем камеры вспенивания	4,0 метр^3
используемый обьем	3,2 метр^3

Datos técnicos	
Medidas (largo x ancho x alto)	8800 x 3000 x 5200 mm
Altura de techo necesaria	6000 mm
Peso	6800 kg
Diámetro cámara de expansión	1600 mm
Volumen cámara de expansión	4,0 m^3
Volumen útil	3,2 m^3

IDEAL FOR
- High volume shape molding and medium volume block molding
- Block molding
- Bean bag beads
- Packaging chips
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	15 g/l (0.94 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)
PREEX 9000	1500 kg/h (3300 lb/h)	1900 kg/h (4180 lb/h)	2250 kg/h (4950 lb/h)	2740 kg/h (6030 lb/h)

IDEAL FOR
- High volume shape molding and medium volume block molding
- Block molding
- Bean bag beads
- Packaging chips
- Colored material



Throughput at density	12 g/l (0.75lb/ft³)	15 g/l (0.94 lb/ft³)	18 g/l (1.12 lb/ft³)	25 g/l (1.56 lb/ft³)
PREEX 14000	2270 kg/h (5000 lb/h)	2800 kg/h (6160 lb/h)	3320 kg/h (7310 lb/h)	4040 kg/h (8890 lb/h)

PREEX 14000

Technische Daten	
Außenabmessungen (L x B x H)	10000 x 3100 x 5400 mm
Erforderliche Raumhöhe	5800 mm
Gewicht	7200 kg
Durchmesser Schäumkessel	1600/2000 mm
Volumen Schäumkessel	6,2 m^3
Nutzvolumen	5,2 m^3

Technical data	
Outside dimensions (l x w x h)	32‘10“ x 10‘2“ x 17‘9“
Required room height	19‘
Weight	15870 lb
Expansion chamber diameter	63“/ 79“
Expansion chamber volume	219 ft^3
Useable volume	184 ft^3

Données techniques	
Dimensions (l x l x h)	10000 x 3100 x 5400 mm
Hauteur exigée de l‘espace	5800 mm
Poids	7200 kg
Diamètre chaudière d’expansion	1600/2000 mm
Volume chaudière d’expansion	6,2 m^3
Volume utile	5,2 m^3

Техни́ческие да́нные	
наружные размеры	10000 x 3100 x 5400 миллиметр
требуемая высота помещения	5800 миллиметр
вес	7200 килограмм
диаметр камеры вспенивания	1600/2000 миллиметр
обьем камеры вспенивания	6,2 метр^3
используемый обьем	5,2 метр^3

Datos técnicos	
Medidas (largo x ancho x alto)	10000 x 3100 x 5400 mm
Altura de techo necesaria	5800 mm
Peso	7200 kg
Diámetro cámara de expansión	1600/2000 mm
Volumen cámara de expansión	6,2 m^3
Volumen útil	5,2 m^3

PREEX 18000

Technische Daten	
Außenabmessungen (L x B x H)	11200 x 3100 x 6000 mm
Erforderliche Raumhöhe	6500 mm
Gewicht	8500 kg
Durchmesser Schäumkessel	1600/2000 mm
Volumen Schäumkessel	8,2 m^3
Nutzvolumen	7,3 m^3

Technical data	
Outside dimensions (l x w x h)	36‘9“ x 10‘2“ x 20‘
Required room height	21‘4“
Weight	18750 lb
Expansion chamber diameter	63“/79“
Expansion chamber volume	300 ft^3
Useable volume	258 ft^3

Données techniques	
Dimensions (l x l x h)	11200 x 3100 x 6000 mm
Hauteur exigée de l‘espace	6500 mm
Poids	8500 kg
Diamètre chaudière d’expansion	1600/2000 mm
Volume chaudière d’expansion	8,2 m^3
Volume utile	7,3 m^3

Техни́ческие да́нные	
наружные размеры	11200 x 3100 x 6000 миллиметр
требуемая высота помещения	6500 миллиметр
вес	8500 килограмм
диаметр камеры вспенивания	1600/2000 миллиметр
обьем камеры вспенивания	8,2 $метр^3$
используемый обьем	7,3 $метр^3$

Datos técnicos	
Medidas (largo x ancho x alto)	11200 x 3100 x 6000 mm
Altura de techo necesaria	6500 mm
Peso	8500 kg
Diámetro cámara de expansión	1600/2000 mm
Volumen cámara de expansión	8,2 m^3
Volumen útil	7,3 m^3

IDEAL FOR
- Block molding
- Bean bag beads
- Packaging chips
- Colored material

Throughput at density	12 g/l (0.75 lb/ft³)	15 g/l (0.94 lb/ft³)	18 g/l (1.12 lb/ft³)	20 g/l (1.25 lb/ft³)
PREEX 18000	2920 kg/h (6430 lb/h)	3600 kg/h (7920 lb/h)	4230 kg/h (9300 lb/h)	4700 kg/h (10340 lb/h)

Raw Material Conditioner

faster cycle times up to 20%

When processing high densities (e.g. 150 g/l), it is necessary to temporarily store the foamed material in silos for several weeks so that the pentane content in the bead reduces by itself before it can be processed further. If the material is removed too early, very long cycle times occur.

Because of this long storage time, silos are blocked and a lot of time elapses from the time an order is placed to the final product, which has a negative impact on profitability.

Advantages of using a raw material conditioner:

- ✓ The EPS raw material is conditioned before foaming in a way that the **storage time** in the silo is **reduced**. This **saves** up to 50% **silo capacity** and results in **faster cycle times** up to 20% **on the molding machines**
- ✓ Due to controlled conditioning, the material can always be processed with the **same quality**.
- ✓ Compressed air savings by using our PHD (=steam temperature control with compressed air).
- ✓ Significantly **shorter lead time from order to end product**.

Explore
the world of
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HIRSCH Technology

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