

Kemi og Maskinløsninger

TEJO®



MULTI-STAGE COMPONENT CLEANING MACHINES

For efficient cleaning



Du har emnerne - PERS GROUP har kemi og maskinløsningerne

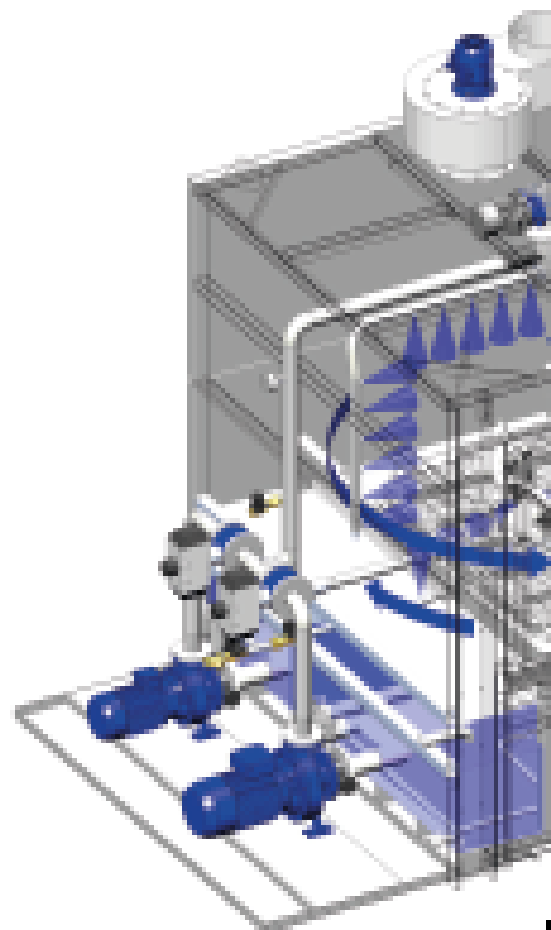


Multi-stage cleaning machine

In industrial facilities, a multi-stage cleaning machine is used to clean different parts of the machine.

Machine parts:

- WASHING MACHINE
- DRYING MACHINE
- WASHING MACHINE
- WASHING MACHINE
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- WASHING MACHINE
- WASHING MACHINE



Why choose a multi-stage machine?

Because the cleaning process requires different cleaning stages, a multi-stage machine is the best solution for industrial cleaning processes. The machine is designed to clean different parts of the machine in a single cycle.

Closed cleaning liquid system

In industrial facilities, a closed cleaning liquid system is used to clean different parts of the machine. The system is designed to clean different parts of the machine in a single cycle.

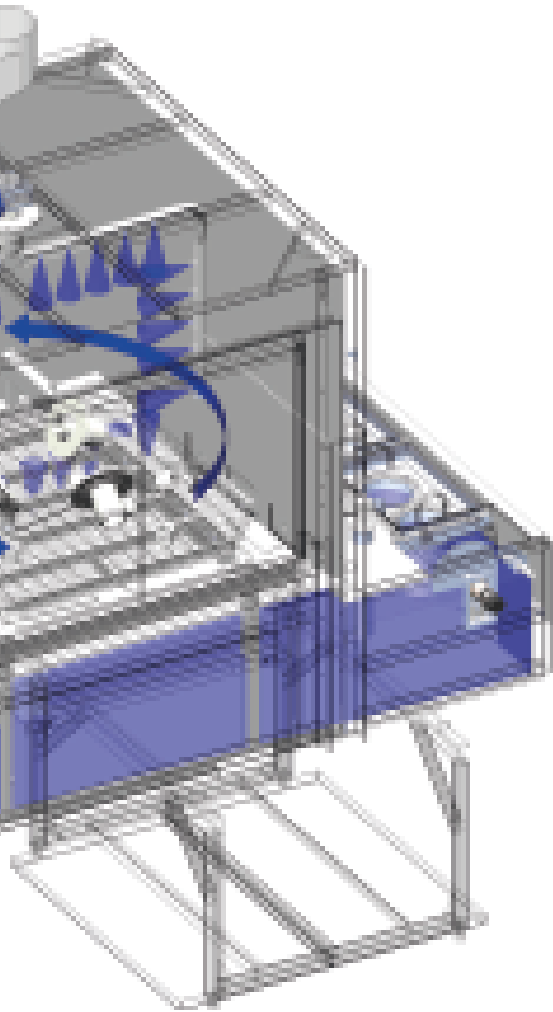
The system is designed to clean different parts of the machine in a single cycle.

- WASHING MACHINE
- DRYING MACHINE
- WASHING MACHINE
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Example of a closed cleaning liquid system:

- WASHING MACHINE
- DRYING MACHINE
- WASHING MACHINE
- WASHING MACHINE
- WASHING MACHINE
- WASHING MACHINE





Client

TEIJO® steam cleaning machines

are used by for example

- **Automotive industry**
 - **Oil and gas refineries**
 - **Power plants and industrial plants**
 - **Food and beverage processing**
 - **Pharmaceutical industry**
 - **Textile industry**
 - **Chemical industry**
- **Industrial maintenance**
- **Energy production**
- **Manufacturing**
- **Construction**

Applications

Multi-stage cleaning machines have many industrial uses, such as pre-cleaning and cleaning.

Pre-cleaning

- **Removal of contaminants**
- **Removal of oil, grease, carbon, scale, rust**
- **Removal of dirt**
- **Removal of corrosion**

Cleaning

- **Removal of scale**
- **Removal of oil, grease, carbon, scale, rust**
- **Removal of dirt**
- **Removal of corrosion**

TEIJO® - economical

- **Efficient filtering extends the service life of the washing fluid**
- **Good insulation reduces heat loss**
- **Efficient costs are low**
- **Thanks to the shut-off valve for the pump, maintenance can be done without draining the tank.**

TEIJO® - safe and eco-friendly

- **The closed circulation of cleaning liquid is safe and eco-friendly**
- **The closed cleaning chamber and efficient steam extraction (optional) prevent steam from entering the indoor environment**
- **Most alkaline detergents are not drainable**
- **The oil coming off of the components during the cleaning cycle can be separated from the cleaning liquid using an oil separator (optional)**



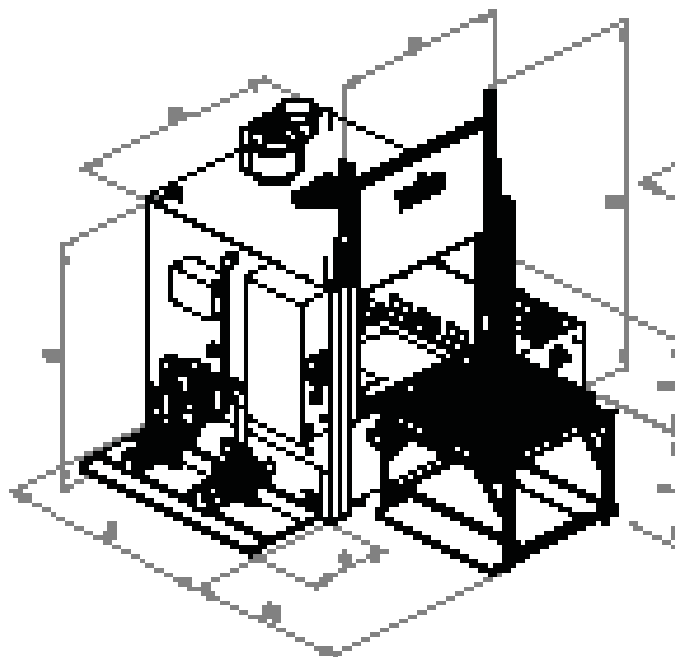
Machine sizes

The developed range includes the complete, three-robotic-robot options of the existing models 100 and 120000. Models C-1000 and C-1200000 being the other machines available include two and three robot options. Included assembly, disassembly, cleaning, general flow, and other clean applications are supported.

Standardized complete robotizing platform. Models C-1000 - C-1200000 complete solution a complete set of facilities, facilities, general layout of the robot application facilities easy tasks.

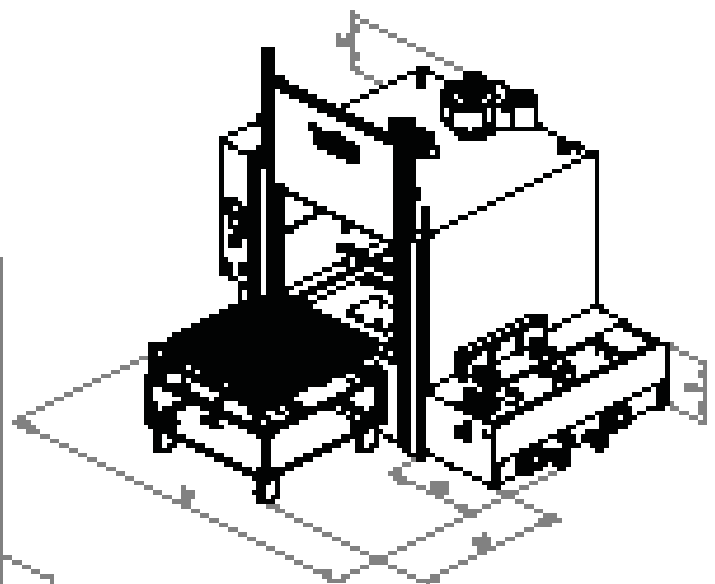
Standardized work stations stand.

For support included development, assembly, and on-site installation, professional safety system equipment.



TECHNICAL DATA

Model	Name Description M O	Table		
		Robot capacity		
		Table I	Table II	Table III
Robotized Work				
B-100-1000	500 000	00	00	-
C-1000-10000	500 000	10	00	-
B-1000-1000	500 000	50	00	-
C-1000-10000	500 000	50	10	-
B-1000-1000	500 000	50	50	-
C-1000-10000	500 000	50	50	-
B-1000-1000	500 000	50	50	-
C-1000-10000	500 000	50	50	-
B-1000-1000	500 000	50	50	-
C-1000-10000	500 000	50	50	-
Robotized Work				
B-1000-1000	500 000	50	00	50
C-1000-10000	500 000	50	10	50
B-1000-1000	500 000	50	00	50
C-1000-10000	500 000	50	10	50
B-1000-1000	500 000	50	50	50
C-1000-10000	500 000	50	50	50



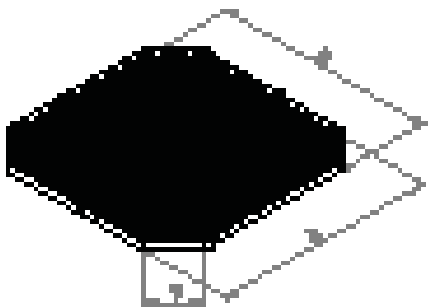
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		Range						Max. Standard deviation		Max. Total	Max. Min. width
Interval		Symmetrical		Asymmetrical		Skewed		n	width	h ₁	h ₂
Min. I	Max. I	Min. C	Max. C	Min. A	Max. A	Min. S	Max. S				
500	700	500	700	500	700	500	700	500	500	700	500
550	650	550	650	550	650	550	650	550	1000	700	900
600	600	600	600	600	600	600	600	600	500	700	500
600	600	600	600	600	600	600	600	600	1000	1000	1000
650	550	650	550	650	550	650	550	650	500	500	500
700	500	700	500	700	500	700	500	700	1000	1000	1000
750	450	750	450	750	450	750	450	750	500	500	500
800	400	800	400	800	400	800	400	800	500	500	500
850	350	850	350	850	350	850	350	850	500	500	500
900	300	900	300	900	300	900	300	900	500	500	500
950	250	950	250	950	250	950	250	950	500	500	500
1000	200	1000	200	1000	200	1000	200	1000	500	500	500

500	500	500	500	500	500	500	500	500	500	500	500
600	700	500	500	600	500	700	500	1000	1000	1000	1000
650	650	650	650	650	650	650	650	650	650	650	650
1000	1000	500	600	600	700	700	500	1000	1000	800	700
650	650	650	650	650	650	650	650	650	650	650	650
1000	1000	700	500	600	500	700	600	1000	1000	800	700

PROBABILITY DISTRIBUTION

Class	Frequency		Relative Frequency		Cumulative Frequency		Cumulative Relative Frequency		Standard Deviation		Variance		Kurtosis		Skewness	
	f ₁	f ₂	f ₁ /N	f ₂ /N	F ₁	F ₂	F ₁ /N	F ₂ /N	s ₁	s ₂	v ₁	v ₂	k ₁	k ₂	s ₁	s ₂
0-1000	500	500	0.500	0.500	500	1000	0.500	1.000	500	500	250000	250000	3.000	3.000	0.000	0.000
1000-2000	1000	1000	0.500	0.500	1500	2000	0.750	1.000	1000	1000	1000000	1000000	3.000	3.000	0.000	0.000
2000-3000	1500	1500	0.500	0.500	2000	3000	0.750	1.000	1500	1500	2250000	2250000	3.000	3.000	0.000	0.000
3000-4000	2000	2000	0.500	0.500	2500	4000	0.750	1.000	2000	2000	4000000	4000000	3.000	3.000	0.000	0.000
4000-5000	2500	2500	0.500	0.500	3000	5000	0.750	1.000	2500	2500	6250000	6250000	3.000	3.000	0.000	0.000
5000-6000	3000	3000	0.500	0.500	3500	6000	0.750	1.000	3000	3000	9000000	9000000	3.000	3.000	0.000	0.000
6000-7000	3500	3500	0.500	0.500	4000	7000	0.750	1.000	3500	3500	12250000	12250000	3.000	3.000	0.000	0.000
7000-8000	4000	4000	0.500	0.500	4500	8000	0.750	1.000	4000	4000	16000000	16000000	3.000	3.000	0.000	0.000
8000-9000	4500	4500	0.500	0.500	5000	9000	0.750	1.000	4500	4500	20250000	20250000	3.000	3.000	0.000	0.000
9000-10000	5000	5000	0.500	0.500	5500	10000	0.750	1.000	5000	5000	25000000	25000000	3.000	3.000	0.000	0.000

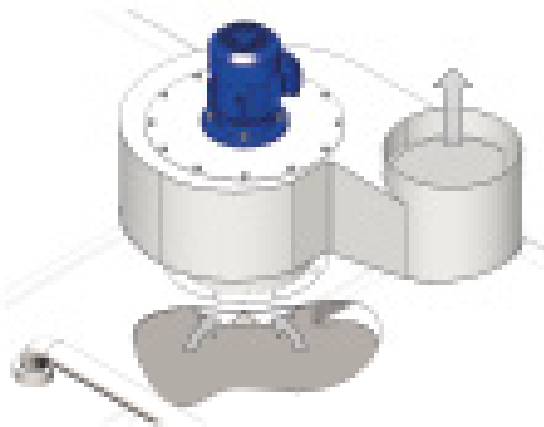


ACCESSORIES

Truss extender BE-2504 BE-25

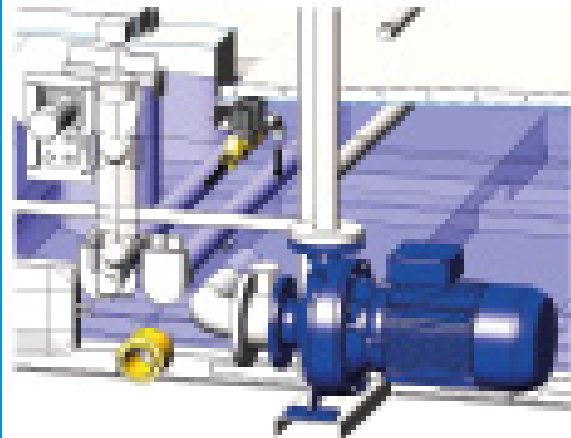
Extends the mounting height of the hoisting system by using the truss beam as the support.

Available: BE-2504 & Power-2504



Small protection BE-2

Protection against falling.



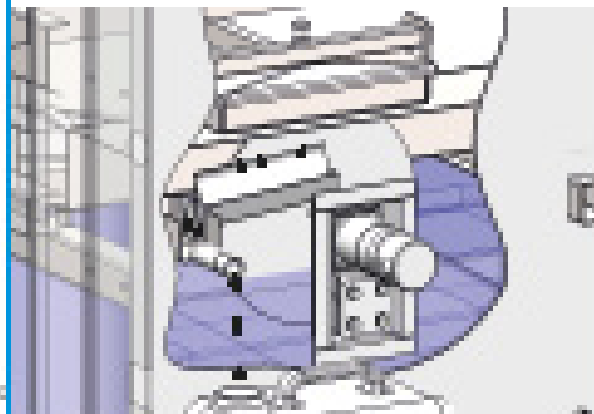
Hoisting system BE-1

Hoisting system with hoist.



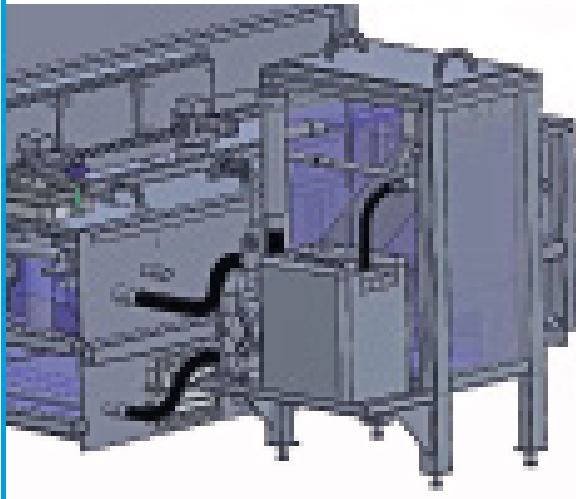
BE extender BE-24

Extends the mounting height of the hoisting system by using the truss beam as the support. The hoisting system is mounted on the truss beam.



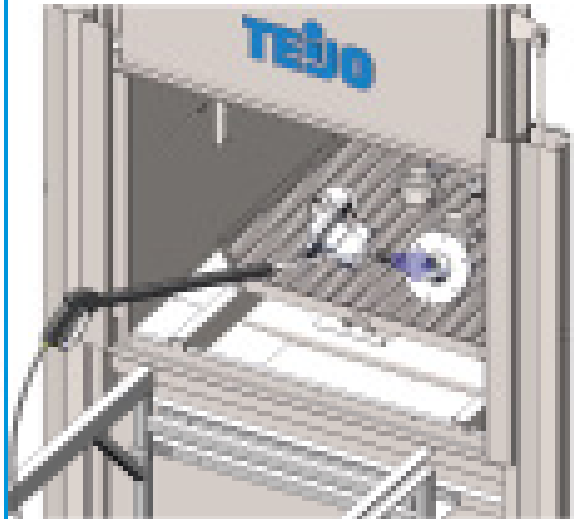
Modelo 04-0007

Indicador de temperatura de 0 a 200°C con pantalla LCD, indicador de temperatura de 0 a 200°C con pantalla de cristal líquido.



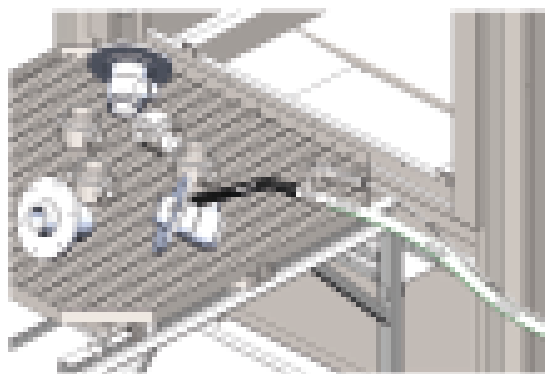
Modelo 04-0008

Indicador de temperatura de 0 a 200°C con pantalla LCD, indicador de temperatura de 0 a 200°C con pantalla de cristal líquido.



Modelo 04-0009

Indicador de temperatura de 0 a 200°C con pantalla LCD, indicador de temperatura de 0 a 200°C con pantalla de cristal líquido.



Otros accesorios y equipos:

- BATERÍA DE 9V
- BATERÍA DE 12V
- BATERÍA DE 24V (CON CABLES DE CONEXIÓN)
- PANTALLA DE 1.5" DE 128x64 PÍXELS
- BATERÍA DE 9V (CON CABLES DE CONEXIÓN)
- BATERÍA DE 12V (CON CABLES DE CONEXIÓN)
- BATERÍA DE 24V (CON CABLES DE CONEXIÓN)
- BATERÍA DE 9V (CON CABLES DE CONEXIÓN)
- BATERÍA DE 12V (CON CABLES DE CONEXIÓN)
- BATERÍA DE 24V (CON CABLES DE CONEXIÓN)



FILTERS

Bypass filter EFG-6

Removes of fines and oils. A pump circulates the liquid through an external filter vessel. The filter vessel is equipped with a special bag that has, in addition to mechanical filtration, the property to remove oils from the liquid flow. Depending on type of oil, up to 20-30 kg of oil can be removed with a bag. A gauge will show the pressure increase in the filter bag. The operation of the bypass filter can be continuous or connected to the cleaning cycle.

Filtering level of the filtration unit depends on the chosen filter bag alternative ~ 5 - 100µm.



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C-medels

Throw away filter bag PP041 Locking spring PJ017 for disposable filter bag

Option for occasional need for better filtration, to be inserted in the filter baskets of the machine.

Magnet bar separator PP048

Option for occasional need for better filtration, to be inserted in the filter baskets of the machine.



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C-medels



Du har emnerne - PERS GROUP har kemi og maskinløsningerne

Vandbaseret affedtning, industri



Teka Clean 20

Alsidig alkalisk affedtningsmiddel, som ved dets sammensætning tilgodeser affedtningsproblemer, der opstår i forbindelse med blandet produktion. Til jern, stål, aluminium samt let metaller, rød metaller og kunststoffer. Rigtig gode smudsløsende og smuds bærende egenskaber. Temperatur 50-80 grader.

pH-værdi:(3%):12,6

Teka Clean 30

Alsidig mild alkalisk affedtningsmiddel, som ved dets sammensætning tilgodeser affedtningsproblemer, der opstår i forbindelse med blandet produktion. Til jern, stål, aluminium samt let metaller, rød metaller og kunststoffer. Rigtig gode smudsløsende og smuds bærende egenskaber. Temperatur 50-80 grader.

pH-værdi:(3%):11,2



Teka Clean 96

Stærkt alkalisk pulver til spule-, dyppe- og ultralyds aflakering af jern og stål. Fortrinlige smudsløsende og smudsbærende egenskaber. Fuldt biologisk nedbrydeligt.

Lavtskummende og korrosions stabil. Olieseparerende. Arbejds temperatur 60-80 grader.

pH-værdi:(3%):12,8

Teka Clean 320K

Flydende, netutral affedtningsmiddel med temporær korrosionsbeskyttelse.

Velegnet til alle metaltypen, hvis styrke specielt fremtræder i forbindelse med krævende og alligvel skånsom mellemaffedtning af forædlede emner. Produktet er biologisk nedbrydeligt, lavtskummende og specielt velegnet til spule- og højtryksanlæg. **Hurtigseparerende.**

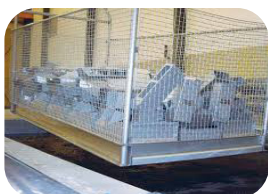
pH-værdi:(3%):8,1



Teka Clean 385

Flydende alkalisk affedtningsmiddel. Produktet er velegnet til blandt andet affedtning af Rustfrit Stål, hvor kraftig indfedtede emner renses effektivt. Arbejdstemperatur: 60-80 °C.

pH-værdi:(3 %):11,8



Teka Clean 387K,

Flydende, miljørigtig affedtningsmiddel med særdeles god korrosionsbeskyttelse. Det er særdeles velegnet til affedtning af jern og stål, hvor olie og fedt fjernes effektivt.

Korrosionsgrad = 0. Arbejdstemp. 45-85 °C Hurtigseparerende.

pH-værdi:(3 %):12,1

Teka Clean 387 K24

Universal, basisk, flydende affedtningsmiddel til jern, stål og rustfri stållegeringer, primært til krævende slutaffedtnings opgaver efter polering eller optræk. Anvendes i spuleaffedtning, dyppe og ultralydsproces. Arbejdstemp. 40-65 °C.

pH-værdi:(3%):11,7



Teka Clean 400

Flydende let alkalisk special rengøring - og metal affedtning der effektivt fjerner fedt og olie. Efterlader ingen vandpletter efter vask v/40-75 °C.

pH-værdi:(3%):9,0

Teka Clean 600

Surt affedtningsmiddel til opløsning af såvel fedt og olie samt overfladerust på metalliske overflader. Anvendes i dyppe som ultralydskar og maskiner. Anvendes fortyndet med vand op til 1:20 afhængig af renses effekten.

pH-værdi:(konc.):5,4

Du har emnerne som skal afgrates. *Vi har løsningerne!*



***Kom med dine emner
til vores Test-center.***

I fællesskab finder vi den rette
brugbare løsning til opgaven.

Har du spørgsmål er du velkommen til at kontakte vores industri konsulenter

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