



ALCHEMIA
Experts in detergency

세정 스테이션

ECO100



**DEGREASES
RESPONSIBLY***

- Solvent free(솔벤트 프리)
- No caustic products(부식성 없음)
- No microorganism(미생물 없음)



WHY ECO 100?

효율성

Thanks to its “engine” (MC100 N or MC100 F) ECO100 degrades immediately, just turned on; it’s equipped with a forced oxygenation system that preserves the stability of the liquid detergent even in strong or very strong presence of pollutants.

인체공학적, 안전하고 편안함

ECO100 is free of sharp corners or edges, it doesn’t get dented and it doesn’t get rusty. Its design facilitates the correct position of the operator and the wide supporting surfaces avoid the overturning risks because of loads.

견고성, 지속성

The synthetic materials used in the construction are highly technological, without superficial micro-porosity so as to avoid the formation of unsightly patinas. They last in time, they are easily washable and keep their brilliance.

편리한 사용

At ECO100 just plug a 220V socket to carry gradually the detergent temperature at 35°C and, thanks to its cavity structure, to keep it in the long term without wasting electricity.

경제성

With the use of ECO100 in combination with degreasers of the MC line, are clearly reduced:

- The disposal costs
- The use of spray cans.

친환경

the washing products of the MC line don’t contain solvents (VOC=0). The MC line favors the budgetary calculations of VOCs, that all companies must carry out, replacing them to the root. It removes the risk of flammability and harmfulness, due to volatile solvents.

WASHING
STATION IS 100%
RECYCABLE



간단한 유지보수

ECO100 is made of materials that enable a fast and effective cleaning of the bodywork, either indoor and outdoor. It's easy to have a washing station at the maximum efficiency. Just keep it in order, clean the coarse filter, the 600 μ and 100 μ filter, substitute periodically the cartridge filter and skim superficially the pollutants present in the tub.

표준제품에는 모든 유형의 활동에 적합한 5단계 여과단계가 장착되어 있습니다:

- 1 거친 여과
blocks the coarse parts of dirt that can be detached from the pieces during the first degreasing phase;
- 2 600 μ 여과 가능한 금속세척할 수 있는 필터
blocks the parts of dirt with a larger or equal 600 μ size;
- 3 마그네틱 여과
the liquid used for cleaning, before going down because of gravity in the tub, passes through a magnet capable of intercepting the ferrous particles that during the degreasing operations can be detached from the washed parts;
- 4 100 μ 폴리에스테르 필터를 사용한 여과
blocks most of the pollutants that may be located on a piece that will be cleaned.;
- 5 50 μ 상승여과 (교체 가능한 카트리지 필터)
blocks residual pollutants and cleans up the rising liquid keeping it at the maximum degreasing capacity levels.

100% 다양한 용도

- 넓은 작업면과 호스를 사용하므로써 최소 조각부터 아주 큰 조각까지 탈지(degrease) 처리할 수 있습니다.
- 오염물질을 부드럽게 하기 위하여 전처리가 필요한 부품의 하우징을 위하여 침수욕조가 있는 ECO100설비를 갖추실 수 있습니다.
- ECO100은 뛰어난 성능으로 저온에서도 정상 작동합니다.
- EC100은의 구조기술은 오작동 발생시, 메카트로닉스 부품을 즉시 교체하여 장비의 가동중단을 최소화 할 수 있습니다.
- 한 지점에서 다른 지점으로 간단히 이동할 수도 있습니다.
지게차 또는 핸드 리프트로 이동 가능
- 또한 EC100은 다양한 선택옵션을 갖추고 있습니다.



ECO100의 디자인과 제품화는 전적으로 이탈리아에서 진행되었습니다.

알케미아는 화학전문 제품의 제조에 대한 경험과 화학특제품의 공식과 고객의 요구의 연합체입니다.

ECO100의 인체공학적 프로젝트는 이탈리아 최고의 디자인 연구팀에 의해 수행되었습니다.

이 혁신적인 도구의 실현은 질적으로 더 나은 원료들을 선택하였습니다.

프로젝트, 제품 도면 및 금형은 알케미아가 독점권을 모두 소유하고 있습니다.



사용자 조정 가능(로고, 색상, 요구사항 및 옵션 사양)

작업도구의 효율성 (ECO100 + MC100), 미생물 제품과 관련하여 성능을 향상시킬 필요성 뿐 아니라 솔벤트(용매)사용 감소/제거에 대한 필요성 증대로 ECO100을 보다 더 쉽게 제안합니다.

영업관련하여 궁금한 내용에 대해서는 피엔에스의 영업부서에 직접 문의하십시오.

(피엔에스 박태은 대표 mobile: 010-3777-7545 email: teopark77@gmail.com)

CARE OF THE DETAILS MAKES THE DIFFERENCE

ECO100은 합성소재(PE)로 만들어진, 소형 및 중간 사이즈의 기계 부품의 세척, 기름 제거 및 탈탄소화를 위해 개발된 수동 세척 스테이션입니다.

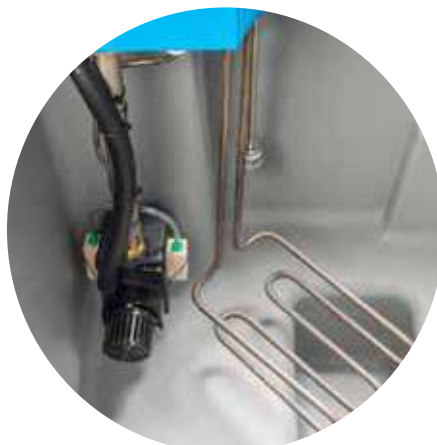
작동은 간단합니다.
220V 소켓만 연결되어 있으면 작동이 가능합니다.



Opening at 80° with a simple movement

ECO100은
오염 물질이 심하거나
아주 심한 경우에도
액체 세제의 안정성을
유지하는 기능을 갖춘
강제 산소 공급 시스템이며,

또한 자체 부양을 도와
5단계 여과 기능과 함께
제품 성능을 최대 수준으로
유지하는 데 기여합니다.



WHY MC100?

- ① 작업자의 건강 보호
- ② 능동적 수동적 비즈니스 보안에 기여
- ③ 환경보존
- ④ 다재다능한 다용도 도구
- ⑤ 경제적으로 유용한 시스템
- ⑥ 비용관리 및 절감 효과
- ⑦ 신뢰할 수 있음
- ⑧ 장기간 사용 가능
- ⑨ 감독기관에 대처 및 지속 가능

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전용 세정제

MC100



**DEGREASES
RESPONSIBLY***

- Solvent free(솔벤트 프리)
- No caustic products(부식성 없음)
- No microorganism(미생물 없음)

MC100은 차세대 세정/탈지 제품 라인으로서 아래의 분야에서 기계부품의 수동세척을 위해 개발되었습니다.

자동차산업의 유지보수

다음과 같은 중요한 목표에 도달하였습니다 :

① 작업자의 건강 보호

The formulas made in our laboratories in Brescia (Italy) derive from a long experience in the use of solvents and organic products. The MC100 line is born from the excessive slowness with which are eliminated the solvents and the poor efficacy shown in the washing and in the "regeneration" of organic products.

MC100 is entirely "made in Italy", both for the raw materials origin and for the realization itself. The controlled dosage of the components allows to have products without any labeling of danger, under the recent European and world norms CE1272/2008 (CLP), guaranteeing the maximum safety for the operators.

They don't need labeling with hazard symbols.

② 능동적 수동적 비즈니스 보안에 기여

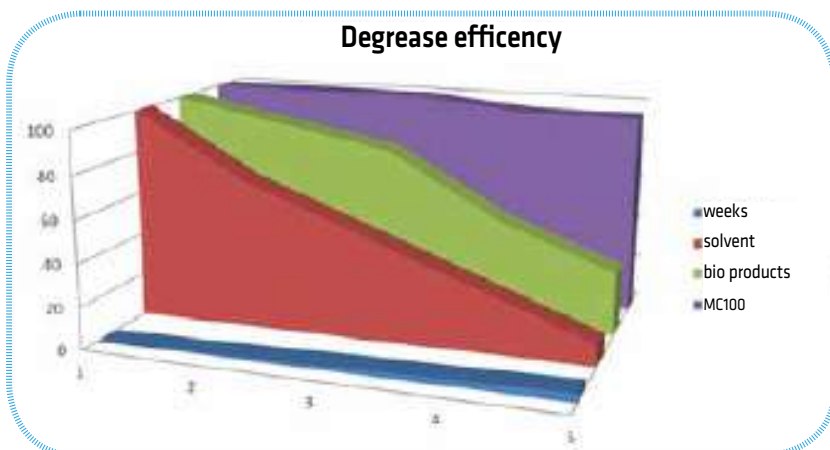
Today it's possible limiting or eliminating completely the use of solvents within a firm. The MC100 products are water-based, totally solvent-free, therefore no flammable. This characteristic reduces or removes the risk of fire inside a building with enormous benefits in real safety and positive repercussions in the Risk Assessment Document (DPR 81/2008 ex 626/94), as well as in costs related to work medical checks (see hidden costs).

③ 환경보존

The MC100 are products completely solvent-free (VOC=0) and they are made to satisfy the more exigent operators, given the rooted habit to use them. The MC100 line favors calculations of the VOC budget that all companies must carry out, replacing them to the root.

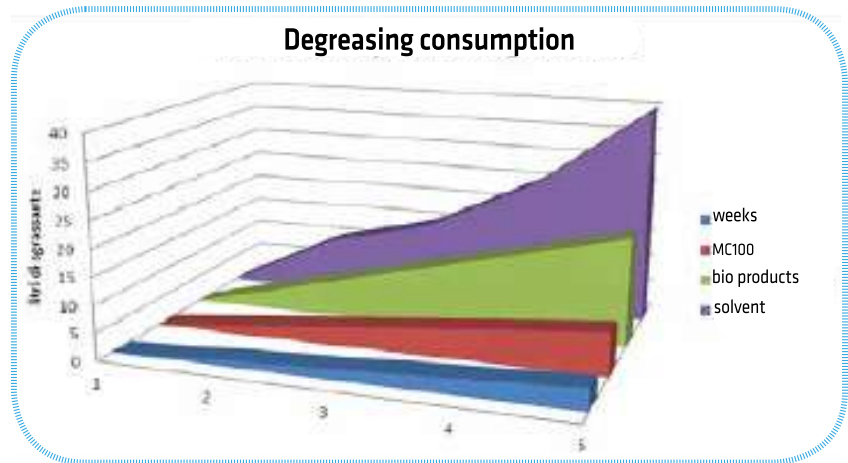
④ 다재다능한 다용도 도구

MC100 products can be used either cold or hot and can degrease any type of metal, plastic or other material without damaging it. They replace liquids of various nature in existing tubs or washbasins, and will not make you regret the old products. The degreasing ability and the safety in carrying out this operation make MC100 enables to act positively even in particularly harsh situations.



⑤ 경제적으로 유용한 시스템

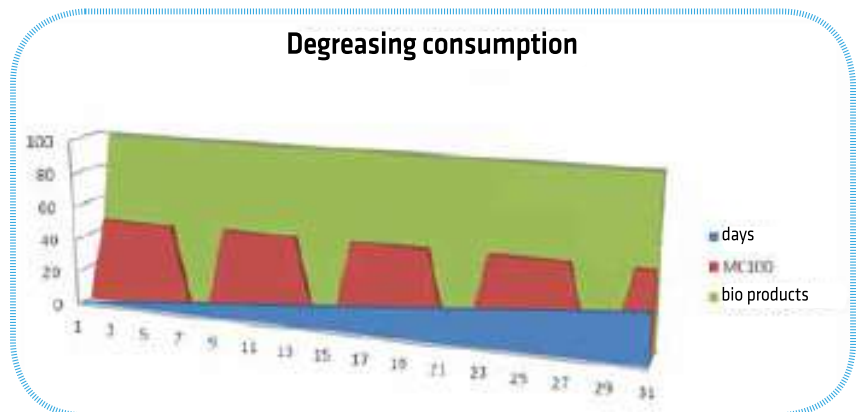
MC100 challenges the conviction that the cheap solvent or organic products are economically valid; in fact, its performance ensures low consumptions and efficiency over time. This is how you avoid continuous solvent purchases (which evaporates fast) and the frequent changes of biological fluids (for inefficiency, bad smell and consumptions due to the high evaporation).



⑥ 숨겨진 비용의 체크를 통한 지출비용 추가 절감

The positive effects on the combined use of ECO100 and MC100 are related to the evaluating of how much you can save by taking into account that are eliminated:

- Disposal costs of exhausted detergents
- Use of spray cans and the related disposal
- Continuous consumption of electricity (24/24 - 7/7 for tubs with microorganisms) necessary to maintain the temperature stable at 42/45°C. Differently, it would have the putrefaction of microorganisms, an useless use of electricity and a loss of product because of the high evaporation
- Undesired and harmful evaporation (for tubs with solvents)
- Dead times of operators in search of "a place" to degrease
- Costs related to work medicine
- Costs related to the unfavorable risk assessment under the DPR 81 and VOC assessment in the atmosphere.

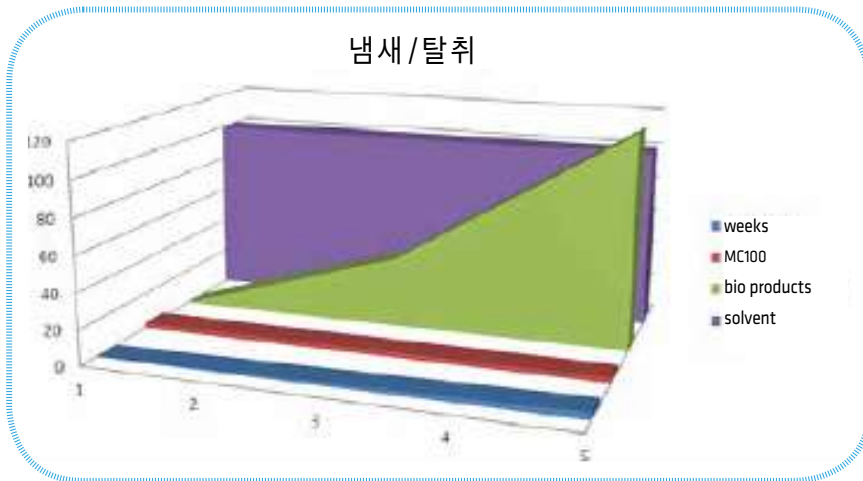
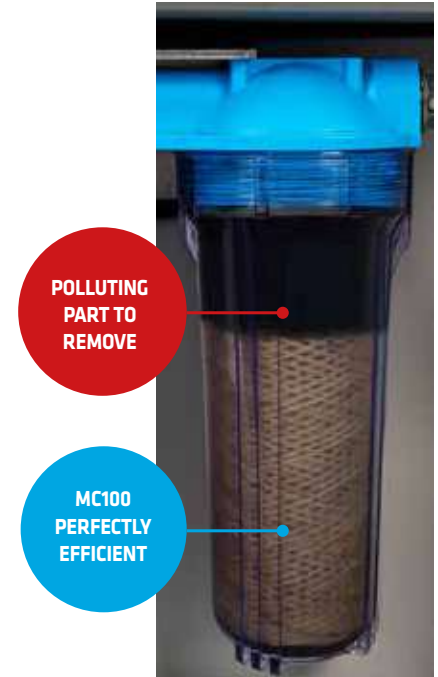


⑦ 신뢰성 보장

MC100 works constantly. Even in conditions of great work and strength pollution, MC100 continues to decrease. It isn't necessary to substitute completely MC100, it's sufficient cleaning it and replenishing it with fresh product.

MC100은 어떻게 작동하나요?

MC100 degreases, cleans, decarbonizes, protects from corrosion and, left fixed and stable, separates the pollutants. This allows to confer to the authorized smelters of the only part of pollutants, without having to dispose of everything, as is the case for other detergents.



⑧ 장기간 사용할 수 있는 도구

With regard to the equipment recommended for the use of MC100 it's automatic to quote the manual washing station ECO100. This equipment made of polyethylene, has a guaranteed duration over time and is well presented within any plant. It doesn't strip, oxidize, get dented like the tubs of various nature in metal or stainless steel. If kept properly, it remains "as new" even after many years of work.



⑨ 감독기관 대응을 위한 지속 가능한 도구

The relationship with the control bodies is an important factor in the choices. Demonstrating that detergent consumptions are monitored, that the use of solvents is limited or even excluded, that in the company is identified a place where the degreasing operations are carried out without effluents it's an authentic competitive advantage. It also means to overcome the most selective inspection and to answer without problems to the checks of the most exigent controller of your territorial competence, for example Arpa (Agenzia Regionale Protezione Ambientale), ASL (Azienda Sanitaria Locale) or Noe (Nucleo Operativo Ecologico dei Carabinieri). The same for all practices related to VVFF (Firefighters), given the reduction or elimination of flammable products.



WHAT DOES MC100 DO ?

- 작업자의 안전 강화
- 능동적 및 수동적 비즈니스 보안 개선
- 환경보호
- 모든 재료를 손상시키지 않고 탈지(DEGREASE)
- 비용절감
- 모든 타입(예, REXSOL, WHURT, RAASM, SAFETYCLEAN, BIO CIRCLE 등)의 수동 세정 튜브를 바꿀 수 있고, 유해한 솔벤트 제품이나 비효율적인 유기농 제품 등을 혁신적인(오염물질 분리)기능을 갖춘 매우 안전하고 효율적으로 개선합니다.
- 생산부서의 모든 탈지 및 세정 작업에 제품을 함께 작업할 수 있도록 하여 번거로운 절차와 제품의 뒤섞임을 매우 단순화합니다.

스페어 부품 및 소모품

100 마이크론의 캔들 필터

Fabric candle filter placed laterally inside the plastic bell; it's necessary its replacement normally every 2/3 work months.

3 MODELS:

- 100 μ (micron) candle filter
- 50 μ (micron) candle filter
- 25 μ (micron) candle filter



산소공급장치 -에어 스프링쿨러

Hardwood oxygenators placed inside the washing liquids, operated by an oxygenation pump; they favor the detergent stabilization, allocate consistently the temperature and help the pollutant flotation; it's necessary their replacement every 2/3 work months.



플로우(FLOW)브러쉬

Brush with finely-ridged bristles (scraping) in synthetic material. Specifically made to facilitate the cleaning work, through which, by operating the pedal, it's guaranteed the constant flow of detergent.

3 종류의 플로우 브러쉬:

- Flow brush
- Ergonomic flow brush
- Flat flow brush for wide surfaces



자석(MAGNET)

철금속 찌꺼기의 수집 처리를 위한 마그네트



금속 필터

여과를 위한 스테인리스로 만든 와이어 메쉬 필터

2 종류의 금속 필터:

- 2,5 mm coarse filter in stainless steel
- 600 μ mesh filter in stainless steel



구멍 뚫린 기름통(바스켓)

Drilled basket, made in synthetic material to house small size particles during the disassembly of parts to clean and/or for the soak of very dirty pieces; it is placed under the spurt of detergent of the articulated nozzle.



세탁이 가능한 BAG 필터

Bag filter in nylon placed under the central opening of the tub that collects the coarse part of removed dirt; it's sufficient a washing and the repositioning (until the break of the filter itself).

3 종류의 필터:

- 100 μ bag filter - washable
- 50 μ bag filter - washable
- 25 μ bag filter - washable



1회용 BAG 필터

2 종류의 필터:

- 100 μ bag filter
- 50 μ bag filter



산화 처리를 위한 멤브레인 펌프(5W)

Membrane pump for the oxygenation of degreasing liquids MC100. Its action, that is perceived through the air sprinklers, favors the detergent stabilization, allocates consistently the temperature and helps the pollutant flotation.



세척용 유량 펌프(40W)

Immersion pump for the detergent recycling; it's necessary to activate the brush and the articulated nozzle.



PT100 온도센서와 세척 레벨 부표

Temperature sensor for hot tubs with the float for the liquid level alarm.



BELL 필터용 O-링

O-ring seal for bell filter holder. Out of standard size.



스페어 부품 및 소모품

필터 받침대

Drilled supporting stirrup in stainless steel for single and double filter.



BELL필터 홀더

Plastic bell filter holder for the housing of 25/50/100micron fabric candle filters with reductions, hose connector and air outlet valve.



더블 BELL필터 홀더

Plastic double bell filter holder for the housing of 25/50/100micron fabric candle filters with reductions, hose connector and air outlet valve.



BELL필터용 부착 KEY

The key for the opening and the closing in safety of the bell filter holder for the replacement of candle filters.



백 필터용 서포트

Stainless steel support for supporting the bag filters both washable and no washable.



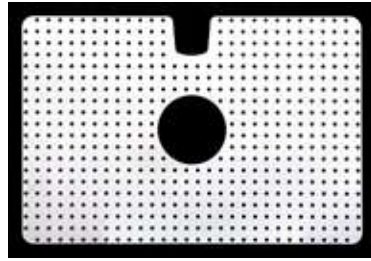
펌프용 서포트

Stainless steel support for supporting and housing of the liquid pump.



스테인리스 격자 받침판

Pre-cut to size stainless steel grate of 1 mm for the protection of the work surface.



3-WAY 밸브

Three-way valve for the flow deviation of the detergent MC100 from the brush to the articulated nozzle. The valve allows to use at the same time the brush and the articulated nozzle.



플랫 노즐용 호스

Articulated nozzle with terminal to be applied on three-way tap. It allows to direct and maintain the spurt of the detergent in the desired position.



진동 호스

Anti-crushing and anti-wear dithered rubber hose for liquid/brush.



작업대 보수용 스테인리스 지지대

Stainless steel support for the opening and the maintenance of the surface in the opened position.



히터용 800W 저항

800w resistance for heating the MC100 detergent.



WASHING STATION ECO100

ECO100

테크니컬 특성, 외관 및 무게

작업대 면적	900 x 600mm
작업대 높이	850mm
전체 dimensions	1120 x 800mm
제품 전면높이	1000mm
제품 후면높이	1080mm
최대 용량	250 Kg
가능한 작업 온도	from room temperature to 50°C
표준 온도	35°C
히팅 파워	800W
유체 펌프 파워	80W
유체 펌프 용량	400 l/h
최대 튜브 용량	120 l
적정 세정액 적재용량 (MC100)	100 l
최저 가동 레벨용량	60 l
전원	220V (230V 50Hz)
중량	about 55 Kg
재질	LDPE

AUTHORIZED DEALER:

피엔에스 (PNS Co.)

경기도 안양시 동안구 흥안대로 427번길 16 평촌디지털엠패이어 613호
대표전화: 070-4708-4145 이메일: teopark77@gmail.com

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