



ABL-TECHNIC GROUP

SURFACE TREATMENT
PROVIDER innovative - sustainable





ABL MEXICO

Technical stripping leader in México

ABL- MEXICO

Overview

1. ABL Global overview

2. Locations. Key Data

3. Process technologies

4. Customer applications

5. Logistics and customer service

6. Customer base

7. Environmental management

ABL-TECHNIC - Key data

About us:

- [Market leader in paint stripping and surface treatment](#)
- [20 locations worldwide](#) [State](#)
- [of the art technologies:](#)
 - Thermal treatment
 - Chemical treatment, e.g
 - Acid treatment
 - Soft-chemical treatment
 - Lye-treatment
- Shotblasting
- [High pressure cleaning](#)
- [Número del 0 al 9 para activar un temporizador](#)

What we stand for:

- [Best in class service provider](#)
- Sustainable processes and technologies
- Innovative process engineering
- High service quality, secured by quality management tools
- Environmental pioneer in surface treatment

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GLOBAL OVERVIEW



Facts

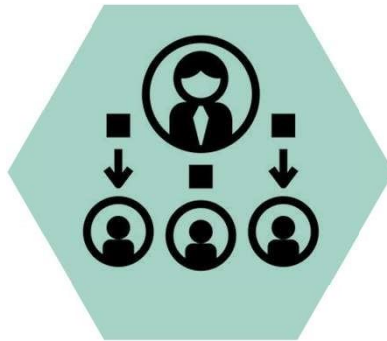
Founded	1973 as „Ablaugerei Süd“
Revenue	EUR 65 Million (2018)
People	> 600 worldwide
availability	3 shifts /day , 365/7

ABL-TECHNIC - Locations

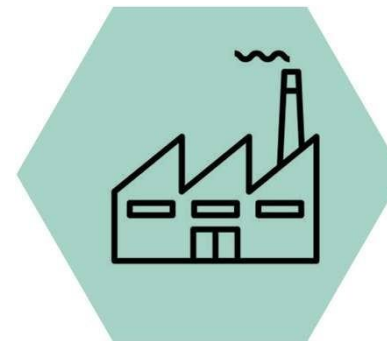




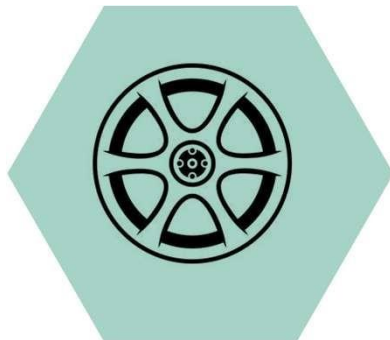
Automotive



Tier 1 Supplier



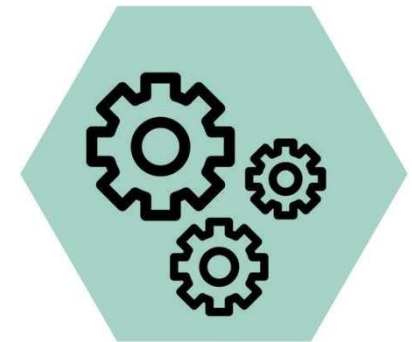
Industry



Rims



Chemical industry



Refineries

ABL-TECHNIC - Locations



MAIN DATA			PROCESS				CERTIFICATIONS		WORKING	
LOCATION	PLANT (m2)	EMPLOYEES	OVEN	SHOTBLAST	CHEMICAL	COATING	TRUCKS	OEM APPROVALS	QUALITY CERT	SCHEME
PUEBLA	3,000	32	3	2	1	1	2	VW/ AUDI	ISO9001	24/7
SLP	3,500	25	3	1	1	-	2	BMW/ GM	ISO9001	24/7

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THERMAL PROCESS

- **Thermal paint stripping Pyrolysis**
No surface change, very gentle but effective process
Suitable for heavy fouling on high precision work pieces
Efficient energy recovery for other uses.



- **Oxygen**
- 6-9% (normal air ca. 21%)
- No combustion

- **Temperature**
 - Depending on contamination and material properties



- **After treatment residue removal**
 - Chemical
 - Mechanical

THERMAL PROCESS

- The heating is achieved through a hot water recirculation inside the oven. This process permits temperature control and avoids part deformation.

- The oven design permits optimal temperature distribution inside the oven and recirculation of smoke

- Ashes and particulates are removed at the postcombustion chamber, minimizing emissions to the air

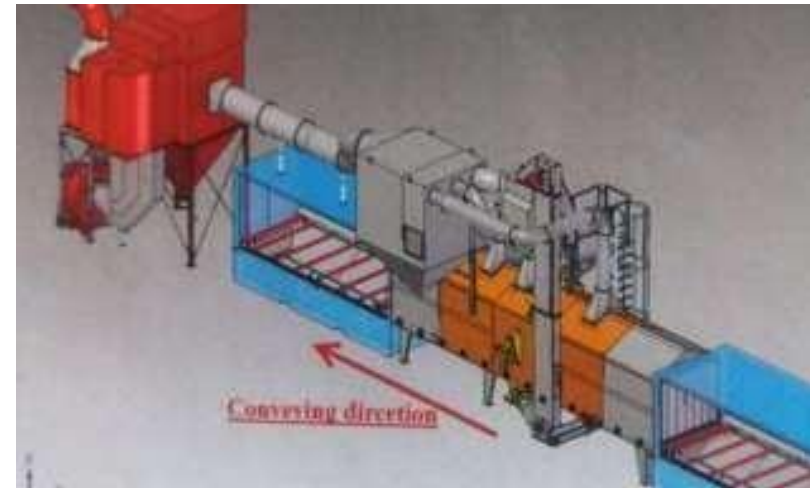


SHOTBLAST

- Shotblast is a mechanical process to remove oxides by high pressure projection of steel ball.

- No water needed, so corrosion is avoided

- Steel balls are reused in the process, so the emission level is, extremely low



CHEMICAL PROCESS

Chemical stripping is suitable for temperature-sensitive products and paintings aids.

- Examples:
 - Steel, galvanised steel, thin hooks, magnets, spring steel, aluminium, magnesium, alloy wheels, thrim, computer housing.



CHEMICAL PROCESS

- The parts are sunk in an alkaline (KOH- based) solution. This solution has the ability to dissolve the paint
- After that the parts are washed with high pressure water
- Later the part can be treated for corrosion with antioxidant solutions



PROTECTION COATING

- Our coating line permits the application of anti corrosion coating to stripped parts, in order to extend corrosion resistance



CUSTOMER APPLICATIONS

ABL provides paint stripping services to automotive and industrial clients, with rim manufacturers and automotive OEMs representing the main customer segment.

CUSTOMER GROUP	RIM MANUFACTURERS	AUTOMOTIVE OEMS	AUTOMOTIVE SUPPLIERS	METALL PROCESSING & OTHER CUSTOMERS ¹⁾
				
DESCRIPTION	<ul style="list-style-type: none"> Leading aluminum wheel producers 	<ul style="list-style-type: none"> Leading global automotive OEMs Focus on German producers 	<ul style="list-style-type: none"> Leading Tier-1 and Tier-2 automotive suppliers 	<ul style="list-style-type: none"> Metal processing companies Coating companies Other industries
EXAMPLES	<ul style="list-style-type: none"> Borbet Ronal Uniwheels SPEEDLINE HAYES LEMMERZ Fuchs BBS 	<ul style="list-style-type: none"> VW BMW Daimler Audi GM Ford Honda 	<ul style="list-style-type: none"> Brose Erbslöh Faurecia REGE SMP Peguform Rehau 	<ul style="list-style-type: none"> GMF Kettler WISAG Julius Blum Liebherr Siemens Etc.
MAIN COMPONENTS	<ul style="list-style-type: none"> Scrap aluminum wheels Painting tools and devices 	<ul style="list-style-type: none"> Painting tools and devices 	<ul style="list-style-type: none"> Mainly painting tools and fixtures 	<ul style="list-style-type: none"> Bicycle frames Heat exchangers Furniture White goods

PAINT STRIPPING - OEM APPLICATIONS

- Cleaning of paint fixtures
 - Jigs, hooks
 - Skids
 - Grills, grates

- Cleaning process used
 - Thermal
 - Chemical
 - Combined (Thermal+chemical)



PAINT STRIPPING - OEM APPLICATIONS



Cabin crates.
Thermal



Cabin crates.
Thermal



RIM PRODUCTION

- ABL-Technic is the worldwide leader in rim stripping, with dedicated chemical and thermal process worldwide



BEFORE AND AFTER



Examples

COMPONENT CLEANING

- Rumbber removal
 - For the efficient recovery of metals from metal-rumbber compounds, e.g vibration, dampers, drive bearings and engine and ship couplings

- For perfectly clean, grease-free parts

- Recovery of valuable materials such as precious metals and metals from components or machinery e.g copper from mottor and generations



PAINT STRIPPING ON PLASTIC PARTS

ABL-Technic provides customers with chemical process for stripping of plastic painted parts

PLASTIC PAINT STRIPPING | REPAINT

- Automotive industry faces high scrap rates for parts such as door handles and mirrors which are usually disposed
- ABL successfully conducted tests with independent Institute to paint strip PA and UP plastic parts that were repainted in a second stop while keeping its material properties
- Addressable market dependent on the share of PA parts in the automotive industry

PLASTIC PAINT STRIPPING RECYCLING

- Plastics such as PP, POM, PVC, PC, ABS cannot be stripped sometimes in a repaintable quality, however they can be recycled
- Recycling is attractive for parts with high recycling value and weight such as bumpers or other chassis parts
- After paint is removed, plastic parts are shredded and the granulate can be sold at higher values than when contaminated with paint

Sample applications

Door handles



Helmets



Trunk lids



Mirrors



Fuel caps



Hub caps



Sample applications

Bumpers



Spoilers



Kitchen & bathroom plastic



Dashboard & other interior



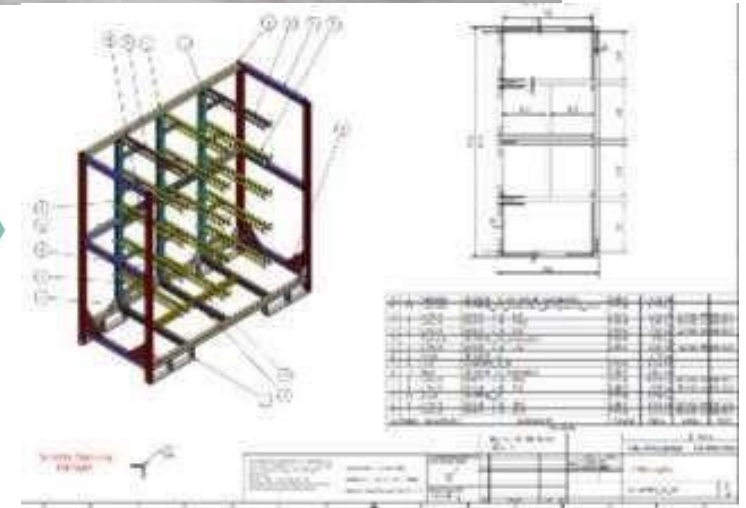
Door panels



FULL SERVICE SUPPLIER

-Logistics
 ABL takes the responsibility of collection and delivery of parts according to customer schedules, following all customer Logistics standards

-Process Engineering Our team experts works closely to customers to define the most suitable process for each part, providing customer samples for process validation
 The ABL team provides racking solutions for optimal process and transportation.



CUSTOMER BASE NAFTA

AUTOMOTIVE OEMs



HONDA



HYUNDAI



AUTOMOTIVE TIER-1

faurecia

BASF
The Chemical Company



BENTELER

SMP




MINGHUA

RONAL

FLEX|N|GATE

Environmental management

- ENVIRONMENTAL MANAGEMENT
 - ABL TECHNIC is focused on being a customer partner in the circular economy. To that purpose ABL GROUP has developed a global environmental standard, that specifies the following
 - Legal and customer standards fulfillment. Our plants have all necessary operating permits.
 - All our plants are under a ISO14001 certification during 2022
 - Water usage into a closed loop.
 - High efficiency ovens, that burn the emission particles in the postcombustor
 - A continuous R&D effort to develop low impact chemical process with waste that can be reduced in house

SULEP BENEFITS		BENEFIT PER CAR	ANNUAL BENEFIT AUTOMOTIVE OEMS
	Water savings by circular flows, no waste water, evaporating and scrubbed	75 liters	900 million liters
	High energy savings	2 KW	24,000 MW
	Gas scrubbed for fine dust	2.75g fine dust reduction, no dioxin	33 tons fine dust reduction ² , no dioxin
	Oven burning dioxin-free	No dioxin emissions	No dioxin emissions
	Significant disposal cost reductions	1.6 kg	19,200 million tons



www.abl-technic.com

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