

# indecommunity

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Two High Productivity Indeco Breakers

From demolitions to  
cleaning-up using Indeco maxi breakers

Coming together for Indeco's 30th anniversary

Punta Perotti:  
the last seafront building  
in Bari turned to dust by Indeco pulverizers





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## editorial

# Pizza, pasta, breaker and mandolin.

**COVER STORY**  
The Indeco HP 9000 at work, photo submitted by Lucio Garofalo, journalist

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Indeco turns 30.

We are conscious of our great achievements in terms of our share of the world demolitions market, and in the growth of our prestige at international level. This success is due to the quality of our products, to the talents of our partners both in Italy and elsewhere in the world, and to the constant positive transformation of our organisation. But I think it is fair to say that Indeco owes much of its success to its Italian character. And I'm not talking about the nationality on our passports, but about a series of positive values that are shared by Italians and admired abroad. Values such as flexibility, an innate attention to clients' needs, a gift for talking to people from other cultures, an almost total lack of nationalism (except when it comes to the World Cup, of course!), putting all our energy into our work but keeping a smile on our faces, enjoying life and accepting what life throws back at us, and eating well without any of the frills of pseudo-haute cuisine. All these are values which our partners throughout the world were able to enjoy in a rapid outline given during the last meeting. And they are values I would like to share with everyone who is close to us and with those who will be joining us in the future. And especially I would like to share it with our Italian dealers, who have placed their faith in us despite our nation's natural inclination to choose foreign goods. 30 years ago, it was more difficult to launch hydraulic breakers made in Bari, because Italy was synonymous with pizza, spaghetti and the mandolin, not to mention rather less flattering associations. Today we can proudly claim that Italy is seen in a different light, thanks to the Italian life style. Think of the "big screen" in Hollywood where the good guys now wear Armani suits, drive Ferraris, or drink San Pellegrino. If being on the side of the good guys involves putting our professionalism on the line on a daily basis, then we won't stop until the villains are defeated by a hero wielding a beautiful Indeco breaker. Join Indecommunity.

Michele Vitulano  
Marketing Manager

## case history

# Two High Productivity Indeco Breakers



Although the main tunnel is now completed, construction of the high-speed line between Bologna and Florence is far from being terminated. Indeco breakers continue to take an upfront role during these phases of the project. With over 72 kilometres in course of completion, the excavation works and lining of the main tunnel of the high-speed rail linking Bologna and Florence are coming to conclusion right on schedule. Despite the fact that construction of the

major part of the new section has now entered its final stage, the works for the definitive completion will still require enormous effort. In addition to the excavations at the Bologna and Florence railway stations, other important works critical to the start-up of the line must still be realised. Among these are connections between the main tunnel and the old alignment. These back-up lines, while being relatively short, play a very important role in terms of operation and safety. ▶



## case history



Thanks to them, the convoys can go from one line to the other, or can be separated to follow different routes.

The connecting tracks allow freight trains to cross the junction of Bologna

by transiting the old line above ground, whereas the passenger lines will be able to run on the new line and stop in the underground station soon to be built.

## Project Complexities

The project entails that the two tunnels - designed to accommodate a single-track line for each direction of travel - stretch about four kilometres. To create the connection, one line will run along a section parallel to the high-capacity line, while the other will pass it from above, then flank it from the opposite side. The two branches will depart from a chamber accessed by means an access tunnel located in Pianoro. From a structural standpoint, the tunnels differ from the main tunnel in their narrower width and the different configuration of the polycentric section. To optimise resources and accelerate the excavation, three fronts

were opened, one on the North (Bologna) side, and two on the South (Florence) side. The two sides differ in consistency, which in turn affect the methods adopted for their excavation. The Bologna side is characterised by formations of the chaotic system, which require consolidation. The fronts on the Florence side contain sandstone formations dating back to the Pliocene epoch. On this side the consistency of the mass proved the use of explosives a suitable alternative; however the existence of pockets of gas, while constantly monitored by a system of sensors, discouraged the use of this technique.

## Two HP 5000 Breakers for the Excavation

The unique conditions on the Florence side indicated the use of a breaker on both fronts of the South side and promised excellent results from a production standpoint.

The sub-contractor of the works, Sbaraglia, employed Indeco 5000 HP breakers, which enabled production of over 30 cu m per day while excavating

a section of about 85 sq. m. Their high level of productivity considering the difficult conditions, and the breaker's adaptability in a difficult application, confirmed the level attained by the HP series. The breakers of the new series, in fact, feature innovative solutions designed to improve output and reduce wear and maintenance. ■

around  
the world  
italy

## From demolitions to cleaning-up using Indeco maxi breakers

### 5 large Indeco breakers at work for the northern Italian Bianchi firm from Oggiono, near Lecco.

The Bianchi firm was founded three decades ago, hiring out demolitions and pulverising equipment, as well as providing the operator and the diesel fuel to go with it. Today, the company specialises in demolishing and reconvertng abandoned industrial areas, preparing them to carry out new functions for the benefit of society as a whole. The most recent issues they have had to contend with have involved cleaning up and recycling

building materials, rubble and backfill which needs to be sorted, so that this waste material can be used to produce inert materials to be brought back into the production process. For this job, Bianchi designed an innovative piece of equipment, a combined crushing and screening plant for use on demolitions and clean-up jobsites. The new machine is practically a huge suction plant with a powerful ▶





active carbon filter capable of sucking up dust and volatile pollutants such as hydrocarbons.

For the rock and internal excavations, or for the demolition of plinths and other structures in reinforced concrete, Bianchi were delighted with the results

they got from no less than five Indeco breakers: an HP 5000 mounted on a Komatsu PC 340; two HP 5000's each mounted on a Volvo 290; an HP 2500 mounted on a Komatsu 230 and a UP 3000 on a Case 240 excavator.

The photo shows various phases of demolishing and rebuilding an important cement works at Sala al Barro, near Lecco, which involved demolishing 30,000 cubic metres of material and 60,000 cubic metres of rock over the course of a year.



*Dual mobile Extec S-4 screening plant for reclaiming an abandoned industrial site in Milan.*

*Dust and odour suction screening system made up of a suction hood with a centrifugal suction fan (mounted on the screener), dust extractor with self-cleaning cartridges, active carbon filter for removing odours and collecting dust and/or pollutant particles.*



*Mobile crushing plant with a mobile screening plant. ■*



“Join Indecomcommunity” was the byline for the festivities from the 25th to the 27th May, when Indeco dealers from all around the world met at the Grand Hotel in Rosamarina near Bari to celebrate Indeco's 30 years in business.



This gathering was a great opportunity to bring together the sales force, so that they could get to know each other and exchange points of view and experience. The beautiful summer weather, the natural setting of the blue sea and green Mediterranean maquis, the local food prepared by a famous chef, and the attractive little towns of Apulia – all this brought the participants together. And along with this came a series of team activities that created a strong

sense of belonging to the Indeco community, strengthening many existing relationships and forging new ones. Indeco's values, an expression of the Italian way of business (easy-going relationships, direct contact between various roles and the capacity to resolve critical issues), were transmitted through activities and contests which the participants remember as a memorable experience, in elegant and discreet surroundings. ►





The meeting began with a game designed to “break the ice”, which required the whole of the group to work together to achieve the result, in an atmosphere of joy and energy.



This was followed by a technical sales meeting, reliving the key moments in Indeco’s history (using images from the early advertising campaigns and the first hydraulic breakers), illustrating the company’s objectives for the future, and presenting our new products and corporate video.



The team-building activities proved to be a time of great ferment and unity. About ten teams, selected at random by dealers from around the world, competed against each other in a light-hearted sort of treasure hunt. Each team had a polaroid camera and a pack of film, and their task was to take photos of specific subject matter, using specific criteria, and look for vital information to maximise their points total. At the end of a game that involved plenty of laughter and a Babel of different languages, there was a semi-serious exhibition, with a symbolic prize-giving ceremony.

The team-building day came to a close with a succulent barbecue of meats, fish and vegetables by the pool, to the sounds of a lively Dixieland jazz band.

The exquisite cuisine and settings of Apulia were two key factors in helping to break down the formal barriers and raising the level of energy and enjoyment. The gala dinner and all of the catering was carefully selected by the chef Antonio De Rosa, who reinvented traditional dishes in a modern style, especially for this event and his guests.







*Indeco's 150 guests also chose one of the tours available – either the Valle d'Itria and the famous town of Alberobello - capital of the trulli, declared a World Heritage Site by Unesco – and Polignano a Mare, a delightful town perched on a clifftop, famous for its wonderful hand-made ice-creams; Lecce, capital of 17th century Baroque and Otranto one of the most beautiful areas in the whole of Apulia; Castel del Monte and Trani, finally, for those guests who had already visited the Salento and the coast east of Bari, and who chose two jewels in the province's architectural crown, to the north of Bari.*



*When the guests had come back from their tour, the meeting came to a close with the gala dinner. Even though specific places had been assigned at the tables to each guest before their arrival, it was decided to let people choose who they would like to sit next to. In some ways, there was little option, as three days of intense activity together had formed close ties within the groups. At the end, along with the farewell embraces and the many thanks, even a few tears were seen being shed by owners, guests and organisers alike. ■*

**around  
the world**  
italy

## Indeco for prestigious Giallo di Siena marble

### Quarrying specialists choose the Indeco HP 9000 to improve their logistics.

The hills around Siena are famous for their yellow marble, which has been much sought after for centuries, and has been used for some of the world's great masterpieces of art and architecture. Because of its great ornamental appeal, the techniques for extracting Giallo di Siena marble have to be quite gentle. Although breakers are not well-suited for such operations, Granital Siena – who extract over 90% of the Giallo di Siena available in the world – use them for an important secondary purpose.



The breaker is used to prepare the area before the actual excavation of the marble, which is done either with explosives or diamond wire saws.

### An HP 9000 to clear the way

Granital Siena have been going for three decades, and have used Indeco breakers for much of this time. The company chose the HP 9000 as a result of their long experience in the field, according to Simone Bonechi, director of production at the company's two quarries: "We've used Indeco breakers for years now, because of their excellent productivity and reliability. Our most recent purchase was the HP 9000, and it has been a great success, due mainly to its technical innovations and sheer size. There's no doubt about it – the HP 9000 has cut down the time it takes to build ramps and to perform all of the minor tasks that help us get to the rock face quickly and safely". ■





## Punta Perotti: the last seafront building in Bari turned to dust by Indeco pulverizers



The Punta Perotti saga finally came to a close when the third and last building in the complex, “Palazzo Quistelli”, was demolished mechanically. The whole operation, which took place in various phases on different days, involved demolishing the first two blocks in the complex with 5 tons of TNT and 5000 metres of fuse wire, bringing down a total of

163,000 cubic metres of material. The third and last building on the seafront, Palazzo Quistelli, was brought down by a special machine with a modular arm that could reach up to a height of 52 m above ground. It was decided to go ahead in the final phase without using explosives, because the ►



Explosives Commission doubled the evacuation area around the building compared with the first explosions, as they regarded the original specifications as being too small to guarantee total safety. The Quistelli building was demolished by a “PMI 980 Superlong Demolition” tracked excavator, weighing 140 tons with a 14 litre internal combustion engine. There are only four of these machines in the world, and two of them are in Europe. General Smontaggi, the firm which won the tender for the demolitions, call it a sort of “rodent dinosaur”. The machine includes a modular demolition boom which reaches an operational height of 52 m. The choice of which equipment to mount on the end of the boom depends on the operational height and on the building that needs demolishing. The machine can carry cutters for shearing carbon steel, a crusher for demolishing concrete or a pulveriser, each weighing between 1500 and 4500 kg. The accessories used on the Punta Perotti site included an Indeco Multi 850 in demolition crusher configuration and an IFP 1000 fixed pulverizer. After the whole building had been demolished, primary demolition of the concrete was carried out with tracked excavators which reduced it by 95%, followed by secondary crushing with a mobile crusher, used for

reducing the volume of the rubble. This made it possible to separate all of the concrete from the steel rods, so that the material could be used to backfill the trenches and flatten out the land again. When the volume of the rubble on the ground has been completely reduced, a layer of soil will be added. ■



# The new Indeco Multi 750

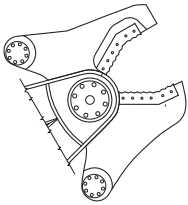
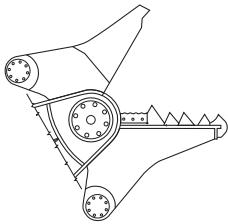
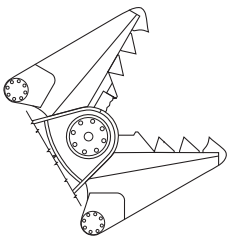


The Indeco stand at Intermat 2006 (Paris).



A natural extension of the Multisystem range, following in the tracks of the Multi 850 comes the new Indeco Multi 750, designed for the 16- to 29-ton carrier range.

Technical data MULTI 750	
Excavator weight (possible)	tons 16 ÷ 29
Width	mm 480
Oil delivery to cylinders	l/min 250 ÷ 180
Maximum pressure at cylinders	bars 350
Closure time (no-load)	sec 3,4 ÷ 2,4
Opening time (no-load)	sec 1,1 ÷ 1,6
Hydraulic connections for cylinders	1"
Oil delivery for rotation	l/min 20
Pressure regulated for rotation	bars 150
Rotation speed	rpm 10
Hydraulic connections for rotation	1/2"



Technical data	CRUSHER	PULVERIZER	SHEAR
Equipment weight (excluding mounting bracket)	Kg 1600	Kg 1600	Kg 1750
Equipment weight (including mounting bracket)	kg 1850	Kg 1850	Kg 2000
Height	mm 2024	mm 2024	mm 2050
Maximum opening	mm 730	mm 750	mm 380
Jaw depth	mm 560	mm 580	mm 430
Cutter blade length	mm 180	mm 180	mm 480
Max clamping force at tip	tons 50	tons 45	tons 50
Maximum clamping force at shears	tons 200	tons 200	tons 150

## The next dates for your diary

COSTRUMURCIA  
SPAIN 26th-29th October 2006

BIG FIVE  
UAE 28th-30th October 2006

BAUMA CHINA  
CHINA 21st-24th October 2006

BUDMA  
POLAND 23rd-26th January 2007

KIEV BUILD  
UKRAINE 20th-23rd February 2007

INTERNATIONAL BUILDING FAIR  
SLOVAKIA 20th-24th March 2007

CONSTRUMA  
HUNGARY 27th-31st March 2007

EST BUILD  
ESTONIA 11th-14th April 2007

GRADITELJSTVO  
CROATIA 17th-21st April 2007

IBF BRNO  
CZECH REPUBLIC 17th-21st April 2007

CONSTRUCT EXPO  
RUMANIA 17th-21st April 2007

BAUMA  
GERMANY 23rd-29th April 2007





## your photos

Your photos this time around are photos of you – they're the ones we took of you during the meeting to celebrate our 30th anniversary.