

codent

ABOUT US

Codent's history began in 1985 when Mark Fang opened a dental and surgical instrument development and production centre in Taipei (Taiwan). Several years later, he made the decision to transfer the business to Kaohsiung, the nerve centre of the medical industry in South East Asia. Since then, Codent has continued to specialise in the design, manufacture and distribution of dynamic dental and surgical instruments aiming for excellence in each of its three areas: R&D, Production and Sales.

Considered as the region's pioneer in the dental industry, today Codent is one of the leading companies in the sector in Asia and worldwide. Operating in nearly 100 countries, Codent has cutting-edge infrastructures combining technicality, quality and innovation enabling it to position itself as the perfect partner for the most demanding dentists.

In order to be closer to its customers in the Europe/Middle East/Africa (EMEA) zone, Codent set up a European subsidiary in Jockgrim (Germany), Codent Europe GmbH to develop its regional platform responsible for distribution, technical support, customer service and training.

> Mark Fang Founder (Codent TW Headquarter)

IC Fang President (Codent TW Headquarter)

Bruno LAMOUREUX

President (Codent Europe)

RESEARCH AND DEVELOPMENT

Codent's design office in Kaohsiung has established itself as one of the most important in Asia in the search for innovative technologies for air turbines, contra-angles, micromotors and surgical devices. Its regular collaborations with design offices in Europe and the United States, its quality standards which are some of the highest on the market and the stringent nature of its specifications in terms of precision and hygiene, guarantee the development of high-level products that match the expectations of the most demanding users. Constantly listening to dentists, Codent continues to innovate and design products suited to their constraints and the specific features of their job.

PRODUCTION

State-of-the-art equipment, the use of high-quality materials and extensive testing means that the Codent range complies with the strictest standards. Codent is ISO 13485 certified.

CODENT benefits



Durable

Even after several years of use, the push button chuck and the clamping mechanism retain their holding strength.



Titanium

The handpieces in the Apollo range have a anti-slip titanium coating which increases the durability of the instruments and ensures a comfortable grip.



Precision

The handpieces offer optimal torque enabling practitioners to work with precision for the comfort of their patients.



Quiet

The handpieces in the Apollo range are some of the quietest on the market due to the quality of their ceramic bearings.



Optic

The illumination of the handpieces (up to 32,000 lux) guarantees maximum visibility for practitioners.



Sterilization

The handpieces are designed to be sterilised regularly by autoclaving and to withstand temperatures up to 135°C while remaining durable and efficient.



Thermal disinfection

The option to use a thermal disinfector to clean and disinfect the handpieces prevents the risk of infection.

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PRECISION AND EFFICIENCY



Excellent torque

Ceramic Bearings

Quadruple Spray

Perfect illumination

Titanium coating

Lightweight

HIGH SPEED AIR TURBINES

Excellent torque and excellent visibility. Air turbine designed for all applications in restorative and prosthesis treatments.

Designed to feel good in the hand.



APOLLO SERIES A6 AIR TURBINES

four sprays - dual coat titanium coating - ceramic bearings - 2-year warranty



MODEL A6L

Standard head - NSK® PTL ®QUICK coupling Burs: 1.6 - Cellular glass optic Rotation: 420,000 rpm Head size: Ø12.4 x H12.9 mm

MODEL A6N

Standard head - NSK®MACH @QUICK coupling Burs: 1.6 - No cellular glass optic Rotation: 380,000 rpm Head size: Ø12.4 x H12.9 mm





LED

MODEL A6K

Standard head - KaVo® MULTIflex® coupling Burs: 1.6 - No cellular glass optic Rotation: 380,000 rpm Head size: Ø12.4 x H12.9 mm



MODEL A6BL

MODEL A6KL

Standard head - KaVo®

Burs: 1.6 - Cellular glass optic

Head size: Ø12.4 x H12.9 mm

MULTIflex® coupling

Rotation: 380.000 rpm

Standard head - BIEN-AIR © UNIFIX® coupling Burs: 1.6 - Cellular glass optic Rotation: 380,000 rpm Head size: Ø12.4 x H12.9 mm



DUAL

(6)

(135°



LED

MODEL A6WL

Standard head - WH ® ROTO QUICK® coupling Burs: 1.6 - Cellular glass optic Rotation: 380,000 rpm Head size: Ø12.4 x H12.9 mm

APOLLO SERIES A5 AIR TURBINES

four sprays - dual coat titanium coating - ceramic bearings - 2-year warranty



MODEL A5L

Small head - NSK® PTL ® QUICK coupling Burs: 1.6 - Cellular glass optic Rotation: 420,000 rpm Head size: Ø11.2 x H12.5 mm

MODEL A5N

Small head - NSK® MACH ® QUICK coupling Burs: 1.6 - No cellular glass optic Rotation: 420,000 rpm Head size: Ø11.2 x H12.5 mm

LED

LED



MODEL A5KL Small head - KaVo® MULTIflex® coupling Burs: 1.6 - Cellular glass optic Rotation: 420,000 rpm Head size: Ø11.2 x H12.5 mm

MODEL A5K

Small head - KaVo® MULTIflex® coupling Burs: 1.6 - No cellular glass optic Rotation: 420,000 rpm Head size: Ø11.2 x H12.5 mm





Small head - BIEN-AIR © UNIFIX® coupling Burs: 1.6 - Cellular glass optic Rotation: 420,000 rpm Head size: Ø11.2 x H12.5 mm



(DUAL COAT (\bigcirc)

MODEL A5WL

Small head - WH ® ROTO QUICK® coupling Burs: 1.6 - Cellular glass optic Rotation: 420,000 rpm Head size: Ø11.2 x H12.5 mm



LED

LED



(135°)

APOLLO A6 - A5 SERIES AIR TURBINES 4 HOLES & B2

four sprays - dual coat titanium coating - ceramic bearings - 2-year warranty



MODEL A6M4

Standard head - 4- holes connection Burs: 1.6 - No cellular glass optic Rotation: 360 000 rpm - 420 000 rpm Head size: Ø12.5 x H12.6 mm



MODEL A6B2 Standard head - B2 - 2 holes connection Burs: 1.6 - No cellular glass optic Rotation: 360 000 rpm - 420 000 rpm Head size: Ø12.5 x H12.6 mm



MODEL A5M4

Small head - 4- holes connection Burs: 1.6 - No cellular glass optic Rotation: 380 000 rpm ~ 450 000 rpm Head size: Ø10.9 x H11.9 mm



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MODEL A5B2 Small head - B2 - 2 holes connection Burs: 1.6 - No cellular glass optic Rotation: 380 000 rpm - 450 000 rpm Head size: Ø10.9 x H11.9 mm

APOLLO SERIES A45 AIR TURBINES

four sprays - dual coat titanium coating - ceramic bearings - 2-year warranty



MODEL A45L

45° head - NSK® PTL® QUICK coupling Burs: 1.6 - Cellular glass optic Rotation: 450,000 rpm Head size: Ø11 x H13.5 mm



MODEL A45KL

45° head - KaVo® MULTIflex® coupling Burs: 1.6 - Cellular glass optic Rotation: 450,000 rpm Head size: Ø11 x H13.5 mm

MODEL A45K

45° head - KaVo® MULTIflex® coupling Burs: 1.6 - No cellular glass optic Rotation: 450,000 rpm Head size: Ø11 x H13.5 mm

LED

LED



MODEL A45 M4

45° head - 4-hole connection Burs: 1.6 - No cellular glass optic Rotation: 450,000 rpm Head size : Ø11 x H13.5 mm



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Couplings compatible with all optic and non-optic air turbines



Q6CM-LED COUPLING

Compatible with NSK[®] PTL[®] instruments 6-holes - LED illumination

Q4M COUPLING

Compatible with NSK[®] MACH[®] instruments 4-holes - No light



Q6K- LED COUPLING Compatible with KaVo[®] MULTIflex[®] instruments 6-holes - LED illumination



Q6KW-LED COUPLING

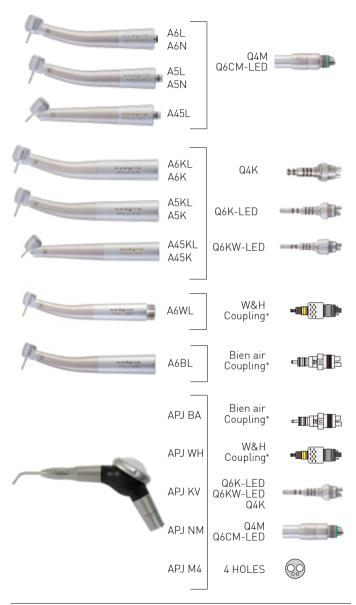
Compatible with KaVo[®] MULTIflex[®] instruments 6-holes - LED illumination - Water controller



Q4K COUPLING

Compatible with KaVo[®] MULTIflex[®] instruments 4-holes - Without illumination

instruments compatible with couplings



* The Bien-Air and W&H couplings are cited as examples but not marketed by Codent-Europe GmbH

TECHNOLOGY AND FUNCTIONALITY



Exceptional durability

Excellent illumination

DUAL COAT

Lightweight

CONTRA-ANGLES AND HANDPIECES

Powerful and durable for precision work, an ergonomic design making it feel good in the hand and reducing vibrations so as to guarantee daily comfort for both doctor and patient.

RANGE APPOLO

NPOLLO HAT

COR

APOLLO SERIES CONTRA-ANGLES

both cellular glass optic and no cellular glass optic , Dual Coat titanium coating



MODEL A65L

1:5 Increasing by 5 Quattro spray - Cellular glass optic - Burs: 1.6 Head size: Ø9.9 H 12.5 - Max. speed: 200,000 rpm

MODEL A65

1:5 Increasing by 5 Quattro spray - No cellular glass optic - Burs: 1.60 Head size: Ø9.9 H 12.5 - Max. spee: 200,000 rpm



MODEL A61L

1:1 Direct drive Single spray - Cellular glass optic - Burs: 2.35 Head size: Ø9.9 H 12.5 - Max. speed: 40,000 rpm

MODEL A61

1:1 Direct drive Single spray - No cellular glass optic - Burs: 2.35 Head size: Ø9.9 H 12.5 - Max. speed: 40,000 rpm



both cellular glass optic and no cellular glass optic, Dual Coat titanium coating



MODEL A16L

16:1 reduction by 16 Single spray - Cellular glass optic - Burs: 2.35 Head size: Ø9.6 H 11.8 - Max. speed: 2,500 rpm (for endodontic lime)

MODEL A16

16:1 reduction by 16 Single spray - No cellular glass optic - Burs: 2.35 Head size: Ø9.6 H 11.8 - Max. speed: 2,500 rpm (for endodontic lime)



MODEL A11L

1:1 straight handpiece, direct drive Single spray - Cellular glass optic Burs: 2.35 - Max. speed: 40,000 rpm

MODEL A11

1:1 straight handpiece, direct drive Single spray - No cellular glass optic Burs: 2.35 - Max. speed: 40,000 rpm



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APOLLO SERIES SURGICAL CONTRA-ANGLES

Cellular glass optic , non-Cellular glass optic , dual coat titanium coating, 2-year warranty



MODEL A20L

20:1 reduction internal/external implant dual irrigation system Max. torque 80 Ncm - Cellular glass optic Burs: 2.35: head size Ø9.9 H 11.8 min.

MODEL A20

20:1 reduction internal/external implant dual irrigation system Max. torque 80 Ncm - No cellular glass optic Burs: 2.35 head size Ø9.9 H 11.8 min

- Body coated in dual coat titanium
- Push button
- Max. torque 80 Ncm
- Max. speed 2,000 rpm
- Suitable for all Type E surgery motors







Oral hygiene

Prophylaxis.

Apollo prophy Jet is an air powered polishing system in the form of a straight handpiece connected to a coupling. Light and easy to clean, Apollo prophy Jet guarantees optimal results when removing stains and is used with Magic Pearl prophylaxis powder.

ORAL HYGIENE

Ergonomic design with 360° rotation



The 80mm attachment, set at a 60° angle, is star-shaped so the 4 sprays provide the necessary precision to treat hard to reach areas.



The handpiece, which can be autoclaved, is connected to a tank.



The tank has 8 holes guaranteeing perfect air circulation.



MODEL APJ KV APOLLO Prophy Jet KaVo® MULTIflex® coupling

MODEL APJ NM APOLLO Prophy Jet NSK® PTL[®] QUICK coupling



MODEL APJ WH APOLLO Prophy Jet W&H[®]Roto Quick[®] coupling



MODEL APJ BA APOLLO Prophy Jet Bien- air® Unifix® coupling



MODEL APJ M4 APOLLO Prophy Jet - Connection Midwest 4 holes



Magic Pearl

For around ten years, MAGIC PEARL powder has proved to be a reliable and non-aggressive prophylaxis powder. The polishing effect of the grains provides gentle effective cleansing. Today, we have improved MAGIC PEARL vet further.



Non-abrasive mechanical tooth cleaning

Respect for the enamel Enamel protection, tested in a professional laboratory.

Treatments Prophylactic and gum disease treatments

pH Stabilisation Reduces oral acidity, neutralises pH within 10 days.

Effectiveness Significant increase in whiteness.

Micro-beads 50 to 60um



Limits gingival haemorrhages Significant coagulant effect, especially in the gums during subgingival treatment

Developed and tested by dentists.

Magic Pearl powder has spherical grains which safely eliminate stains, biofilm and tartar without causing a risk to the tooth enamel and gums. Its calcium-carbonate based composition helps to minimise cleaning of your air polisher.

Approved by European and international standards.

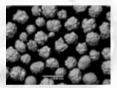
The powder reduces the acidity of oral fluids and prevents the development of bacteria by impeding the formation of biofilm. This product is ideal for treating the teeth of patients sensitive to sodium bicarbonate or who suffer from high blood pressure.

Non-abrasive, non-invasive.

The very low hardness* of the CaCO3 particle is less than the hardness of the dentine, so it does not damage the enamel while the hardness of other powders (NaHCO3) has an abrasive effect on the tooth surface.

*Source: Friedrich Mohs' scale (1-10) measuring the hardness of minerals









MP-1 Magic Pearl Prophylaxis Box of powder of 4x300g bottles

SPEED AND POWER



ELECTRIC MOTOR





ELECTRIC MOTOR

iM100

Brushless and LED Electric motor set

iM100

brushless optic electric micromotor set equipped with a control box, adaptor and cable E-motor type connection - LED light

Im100 - Brushless electric motor

- Max. Torque: 3.4 Ncm
- Max. speed: 2,000 rpm 40,000 rpm
- Weight: 87g
- Light: LED

Control Box

- Adaptor: AC 100-240V
- Voltage: DC 32V 50/60Hz
- Output power: 120W max.
- Dimensions: D150mm x W125mm x H56mm
- Weight: 500g
- Function: 2 memory modes, reverse rotation adjustment, three speeds



Air C4-hole cable to connect the dental chair to the control box



Electricity Connection cable from the micromotor to the control box



Activation Connect the power cable to the power supply





iM100 MOTOR Electric motor E-Motor type, led illumination



iM100 CABLE Electric motor cable

iM100 – integrated system LED, brushless electric motor and its individual components

iM100- integrated system

Brushless electric micromotor with a control box E-Motor type, led illumination

- Output power: 24V AC 50/60Hz
- Max. torque: 3.4 Ncm
- Max. speed:2,000 rpm 40,000 rpm
- Control box dimensions: W123mm x H63mm





iM100 MOTOR Electric motor E-Motor type, led illumination



iM100 CABLE Electric motor cable



AIR MOTORS

SN15012001



1-year warranty





1-year warranty



MODEL H11 Handpiece with external spray - 1:1 direct drive 40,000 rpm Burs: 2.35



MODEL H41 External spray contra-angle - 1:1 direct drive Max. speed 40,000 rpm - Burs: 2.35

Air Motor + Handpiece SET

MODEL AE4N + MODEL H11 + MODEL H41





MAINTENANCE, HYGIENE & STERILIZATION



O AEOLUS6

AN EASY WAY TO ACHIEVE PERFECTION



WITH AEOLUS 6 GET MAXIMUM

Practice hygiene is becoming more important and is monitored increasingly. Ensure protection for your practice team and your patients without timeconsuming.

The combination washer, thermo desinfector and lubricates up to six straight and contra-angle handpieces as well as turbines in 18 minutes at the push of a button with maximum hygienic safety in the AEOLUS 6.

CONFORMITY WITH STANDARDS

The washer thermo-desinfector process of the AEOLUS 6 meets the requirements of the European standard EN 15883. The cleaning and disinfection process is carried out in correspondence with the international standard for washer-disinfectors.



HIGH PERFORMANCE FAST & EASY TO USE FOR PERFECT HYGIENE

PERFECT HYGIENE OF YOUR ROTATING INSTRUMENTS

A simple press on the touch screen of the AEOLUS 6 triggers the automatic closing of the door and begins the cycle of cleaning, disinfection at high temperature of your instruments internally and externally in continuous rotation as well as the lubrication and maintenance of your instruments.

The entire program is fully automatic and reliable. All hygiene steps in the reprocessing of instruments, such as pre-washing, washing, disinfection, lubrication are carried out in a closed hygiene cycle in 18 minutes. Once the cycle is complete, the fully dried instruments will be available with a perfect hygiene result in compliance with the current EN 15883 standards.

MAINTENANCE HYGIENE & STERILIZATION

FULL PROCESS OF AEOLUS6





Pre-washing with triples permanent rotation with low temperature 20°C to avoid protein coagulation





Washing at 45°C with chemical solution and triples permanent rotation





Drying the instrumentation externaly and internaly





Thermal disinfection at 93°C with triples permanent rotation



Internal lubrication of the rotative instruments with rmanent internal rotation.





Recording the cycle

THE NEW BENCHMARK FOR STEAM STERILIZERS



AQUILO 20 MEETS PERFECTION

The Aquilo 20 thanks to its construction, finally offers the possibility of accessing class B sterilization cycles in record time and with a very high sterilization result.

The new «innovative vacuum + by venturi» system, extremely powerful, allows the tank to be pressurized in a very short time when other devices take a long time to perform the same operation. Without the maximum removal of air, steam cannot spread completely or fully. The addition of the rapid and total pressurization allows to obtain a fast action time that fully facilitates the homogeneous penetration of the steam with the best sterilization result.

NEW «VACUUM + VENTURI»

The new innovative «vacuum + venturi» system provides incomparable high reliability and for a number of cycles exceeding all existing models.

The autoclave process of the AQUILO 20 meets the requirements of the European standard EN-13060.



AQUILO 20 OFFERS A NEW VISION OF WHAT STERILIZATION IS ALL ABOUT

Aquilo 20 offers a single chamber, which has been incorporated into another chamber, the two stainless steel chambers creating a double wall. The double watertight wall is filled to 3/4 of demineralized water, the special designed heating sytem generates a high temperature for heating a large quantity of water in a short amount of time, which continuously produces a very large volume of high quality steam ready to be injected into the 20-liter tank.

The inner wall of the first chamber being permanently very hot by contact with water at high temperature thus transmits a homogeneous high heat over the entire surface of the inner tank and will allow the steam injected into the tank to flow physically over all the surfaces of the instruments at room or cold temperature as well as over all the inner and outer surfaces of the rotating instruments. This action offers the best sterilization result.

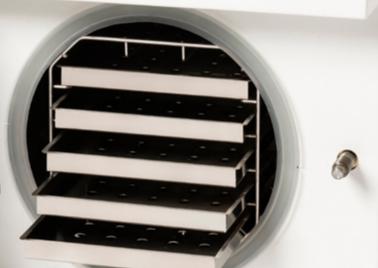
The double chamber offers an incomparable efficiency of action thanks to its simple technical innovation where other products require many technical components that are at risk of failure and reliability or result.

The autoclaves are always delivered with a holder for trays or cassettes. The rotating support allows 5 standard trays or 3 standard cassettes to be placed on it.

AQUILO20

MAINTENANCE, HYGIENE & STERILIZATION





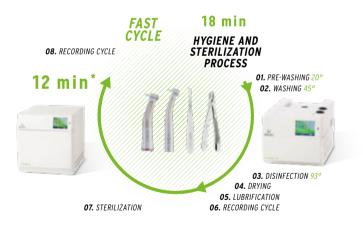
CODENT HYGIENIC PRODUCTS LINE

THE SOLUTION FOR THE FASTER AND HIGHEST LEVEL OF HYGIENE AND MAINTEANCEREQUIREMENTS

FULL EQUIPEMENT OF CODENT

Perfect, simple and fast hygiene that includes pre-washing, washing, disinfection, lubrication and sterilization for greater safety for you and your patients.

Codent offers you a complete hygiene solution to guarantee the longevity and performance of your handpieces, contraangles and turbines, which will result in a better longevity



*B-FAST STERILIZATION 12 MIN CYCLE - 2 KG *B-STANDARD STERILIZATION 22 MIN CYCLE - 5.5 KG *B-PRION STERILIZATION 38 MIN CYCLE - 5.5 KG

HYGIENE & STERILIZATION

BEYOND THE PERFORMANCE, AEOLUS 6 AND AQUILO 20 ARE ALSO ENHANCED BY A PURE AND INTELLIGENT DESIGN

AEOLUS 6

PRODUCTS & ACCESSORIES

AEOLUS 6 white	Ref. 100 000
AEOLUS 6 stainless steel	Ref. 100 100
Ao clean Solution 6 bottles of 1l.	Ref. 100 500
Maintenance Oil, 6 bottles of 1l.	Ref. 100 510
Ao clean Solution 1 bottle of 1l.	Ref. 100 501
Maintenance Oil, 1 bottle of 1l.	Ref. 100 511
CO+ water purifying system	Ref. 100 520
Adaptator Etype	Ref. 100 001
Adaptor PTL	Ref. 100 002
Adaptor KV	Ref. 100 003
Adaptor SR	Ref. 100 004
Adaptor WH	Ref. 100 005
Adaptor BA	Ref. 100 006

TECHNICAL CHARACTERISTICS

External dimensions (H x W x D)	344 x 320 x 500 mm
Capacity	up to 6 instruments
Net weight	30 kg
Voltage CE	100 - 230 V / 50 - 60 Hz
Supply pressure	3,5 bars
Capacity of the oil tank	300ml
Capacity of the disinfection tank	300ml
Conformity with European Standard	EN-15883

AQUILO 20

PRODUCTS & ACCESSORIES

Aquillo 20 white	Ref. 200 000
Aquillo 20 stainless steel	Ref. 200 100

TECHNICAL CHARACTERISTICS

External dimensions (H x W x D)	435 x 490 x 550 mm
Capacity chamber	20 liter
Net weight	50 kg
Voltage CE	100 - 230 V / 50 - 60 Hz
Conformity with European Standard	EN-13060

ACCESSORIES

(300

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Light power pack

A power supply two 6-hole cable



Power module

Two-way power source with electricity



Cable

6-holes connector for high speed handpieces



Cable 4- holes connector for high speed handpieces

O

Cable 2- holes connector for high speed handpieces



Lubricant Premium Plus Spray 500ml Lubricates & cleans



Prophy tip handpiece with nozzle APJ 001



Cover Prophy APJ 003

SPARE PARTS

cartridge



CCA345 For Codent A45L / A45 air turbine



CCHPC4 For Codent A6 Codent Apollo four sprays - Standard head



CCHPZ4 For Codent A5 Codent appolo four sprays - Small head



CCHP1S For Codent A4 Codent Apollo single spray - Standard head



CCHP1M For Codent A 3 Codent Apollo, single spray - Small head You have just purchased instruments from the Codent range.

Each Codent product sold is accompanied by a manual for use and maintenance which is in its original packaging, in case the instructions for use of the manual will not be respected, the instrument cannot be taken under guarantee.

The warranty period of the instruments on the range of turbines, contra angles, air or electric motors or other catalog products:

- Contra angle Apollo : 24 months
- Contra angle and Head Apollo Kavo : 12 months
- Turbines Apollo : 24 month , except the turbines des models A4 : 12 months
- Coupling turbines : 12 months
- Oral Hygiene : 12 months
- Air Motors/Air Electric : 12 months
- Maintenance, Hygiène et Stérilisation : 24 months to 60 months / see conditions
- Spare parts and accessories : 6 months 12 months

The return of the equipment for a warranty repair request must be accompanied by a copy of the invoice and/or delivery note (serial number is mandatory).

The guarantee will be active within the framework of an adequate use

The guarantee lapses in the following cases:

- which has had a shock and which results in the change of a part or a set of parts.
- Inadequate use
- A sudden disassembly causing additional damage
- lack of maintenance due to excessive wear and tear
- A change of parts made by third parties not accredited by Codent Europe
- Incorrect electrical or air connections or adjustments that may cause breakage

Before any repair of a product out of warranty by Codent Europe, an estimate will be established for acceptance before proceeding with the repair.

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WORKING TOGETHER

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