

**GOING FURTHER.
TOGETHER.**



OUR PRODUCTS

Our quality is by no means a coincidence, but always comes from a good idea.

We react precisely, quickly and reliably to your wishes, to provide results that go beyond what you may expect.



Radiator caps



Oil caps



Tank caps



PRODUCTS JOST

SCR & FUEL filling systems



SCR caps



OUR OIL CAPS

STANDING GUARD THE ENTIRE DAY

- *Oil caps for passenger cars and commercial vehicles*
- *Compact and simple construction*
- *Compatible with all standardized and commercially available interfaces*
- *Various closure solutions*
- *Axial and radial sealing concepts*
- *2K-injection molding*



OUR RADIATOR CAPS

KEEPING A COOL HEAD WHEN THINGS GET HOT

- *Radiator caps for passenger cars and commercial vehicles*
- *Opening pressures available according to specific customer requirements (one-stage or two-stage valve function)*
- *Opening pressure from 0,2 to 2,0 bar*
- *With acoustic (ratchet/click) or haptic end position feedback*



OUR DIESEL TANK CAPS

A TIGHT FIT FOR RELAXED DRIVING

Our diesel tank caps and necks are for truck applications.

Caps:

- *Compatible with all standardized and commercially available interfaces (diameters: 40, 60 and 80 mm)*
- *Bayonet closure concept, locking and non-locking mechanisms*
- *With and without tether*

Necks:

- *For blow-molded or rotation-molded plastic and metal tanks in stainless steel or aluminum*
- *Filters and anti-theft device*



OUR SCR CAPS

OUR SPECIAL THANKS TO THE ENVIRONMENT

Our SCR caps for commercial vehicles:

- *Caps according ISO22241*
- *Bayonet closure concept, diameters: 40 and 60 mm*
- *Locking and non-locking mechanisms*
- *With and without tether*

Our SCR caps for passenger cars:

- *Screw caps according ISO22241*
- *With acoustic (ratchet/click) end position feedback*
- *Integrated membrane for ventilation*
- *With and without tether*



OUR SCR SYSTEMS

SOLUTIONS THAT CAP THEM ALL

Our SCR necks for commercial vehicles:

- *Plastic necks with different tank interface: flange-mounted (screwed), welded (plastic on plastic) and over molded*
- *Serviceable filter*
- *Magnet according ISO22241*

Our SCR systems for passenger cars:

- *Filler necks made out of plastics; with or without magnet*
- *Different fixations possible (e.g. with metal bracket)*
- *Pipes made out of plastics; blow-molded, corrugated or extruded*
- *Multifunctional ventilation and fill limit valve for tank and stand-alone applications*



Radiator caps



Oil caps



PRODUCTS

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Tank caps

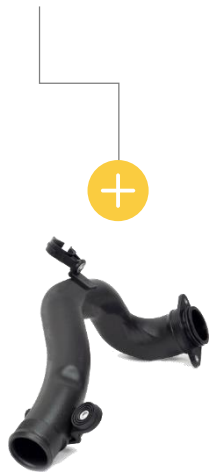


SCR caps

SCR filling systems



Ducts



Tanks



Pipes

PRODUCTS ITIB

OUR DUCTS

FOR A BREATH OF FRESH AIR

- *Cockpit ventilation ducts produced by standard blow-molding technology*
- *Air Engine ducts manufactured by 3D suction-blow-molding technology with application in all portions of the air inlet circuit:

 - *air filter inlet and outlet (fresh and clean air)*
 - *charged air cooler inlet and outlet (high-temperature high-pressure air duct)**
- *Over-molded and welded brackets, flanges, nipples are applied on the blow-molded duct*



OUR PIPES

RUNNING SMOOTHLY

- *Items produced in base-polymers and techno-polymers with high mechanical and thermic performances*
- *Corrugated flexible pipes used for protection as well as for fluid/air flows in different sectors supplied in coils or cut pieces; diameters between 4.5 and 160 mm*
- *Smooth pipes for SCR application; diameters between 8 and 40 mm*



OUR TANKS

ALL PUFFED UP

- *Traditional blow-molding, as well as 3D-suction blow-molding, made out of plastics*
- *Filler necks, nipples, flange, brackets can be over-molded or post-welded*

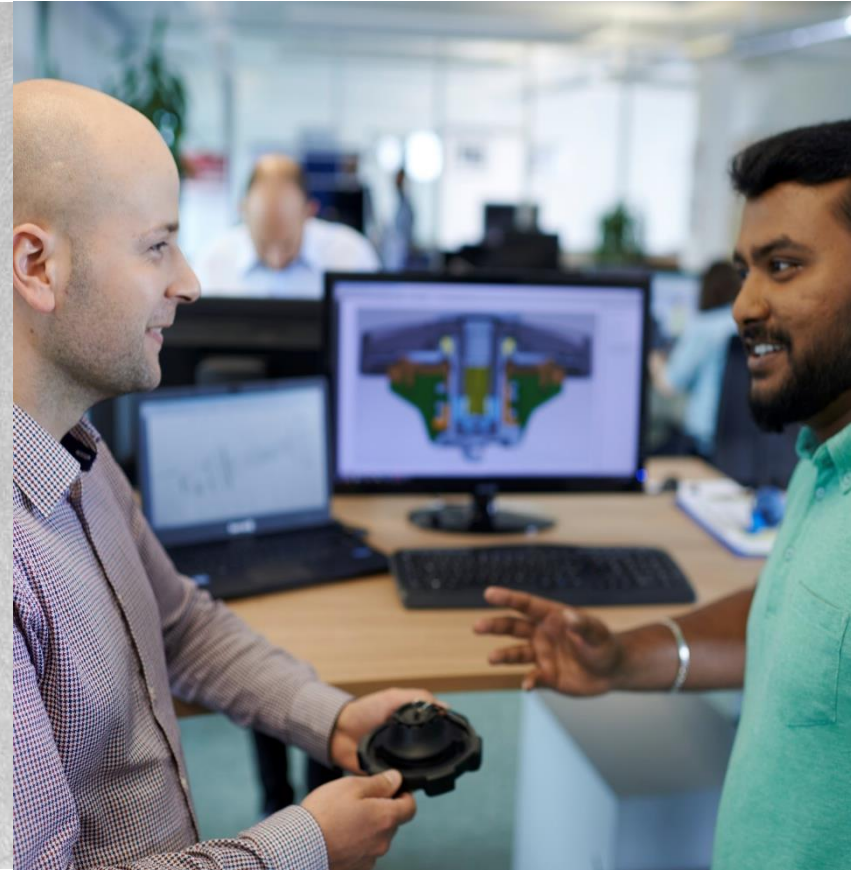


**WE THINK ABOUT THE BIGGER
PICTURE.
INTO THE SMALLEST DETAIL**

DEVELOPMENT PROVIDER

No matter what we do, we always think about the bigger picture – into the smallest detail.

We'll be sure to provide you with astounding answers. Because we always ask astounding questions.



BEST PREREQUISITES

- **Testing facilities according international standards**
 - *AdBlue®-refueling: Flow rate up 100l/min. AdBlue temperature control -10° C to 45° C, tank temperature -40° C to 80° C, data recorded: pressure, temperature, flow rate, video signal*
 - *Alternating temperature test for caps and SCR Systems (-40° C to 180° C)*
 - *And much more*
- **Systems used**
Microsoft Dynamics AX 2012, CATIA V5, Plato SCIO FMEA, Siemens NX, CAQ, CREO, Wildfire5
- **Tools used in the virtual analysis**
e.g. FEM Force Load, Spring Calculation, Moldflow Analysis, Flow 3D Simulation
- **Certification according to international standards**
IATF 16949:2016, Ford Q1, ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007

ALWAYS CLOSE TO OUR CUSTOMERS. REFERENCES

CUSTOMER RELATIONSHIP

*If someone asks us what our biggest strength is, it's **listening**.*

We are always there for you. When working together, every team member listens in order to create something new together.



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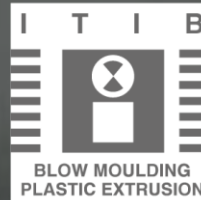
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Going further. Together.