

FANS

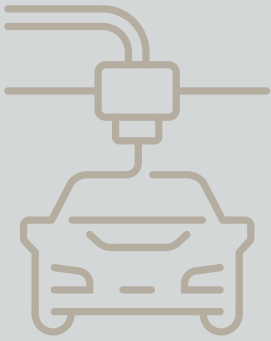
FOR OVENS AND

PAINT BOOTH

- GENERATION OF OVERPRESSURE
- PARTICLES ASPIRATION
- AIR DESTRATIFICATION
- RECIRCULATION OF HOT GASES



- **GENERATION OF OVERPRESSURE**



In typical sheet metal painting booths, the painting process is carried out by **overpressure**. In this kind of application, the fans are in charge of making the mechanical air **supply** that will normally be filtered in a plenum box, to push the paint particles downwards. In this way, the non-adhered paint particles are collected in a collector and the air, filtered again, naturally escapes to the outside through a duct.

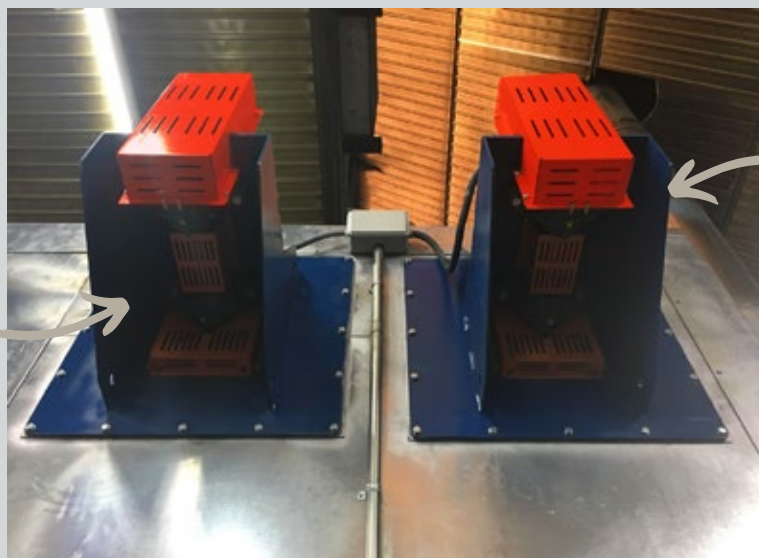
- **PARTICLES ASPIRATION**

In the painting booths, medium pressure fans can also be used to **recover the paint particles** that have not adhered to the product, to return them to the hopper and be able to be used in the next painting process.



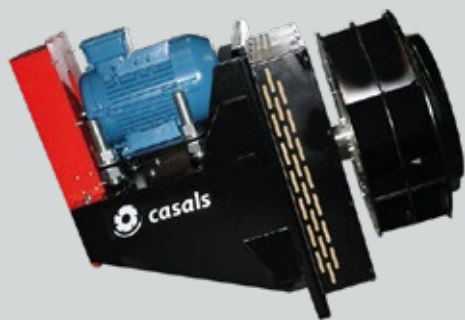
- **DESTRATIFICATION AND RECIRCULATION OF HOT GASES**

In the case of **electrostatic painting booths**, where the product passes through a drying oven after being painted, it is necessary to destratify the air to make it possible to homogenize the oven temperature. This is done by fans such as CLIBOS and CLIBOS-TR, which recirculate **hot gases** up to 250°C (CLIBOS) or 350°C (CLIBOS-TR).



CLIBOS-TR installed in a paint booth oven

CASALS FANS FOR OVENS AND PAINT BOOTH



CLIBOS-TR

Belt driven plug fan

Hot gases recirculation up to 350°C

Air flow up to 47.130 m³/ h

Impellers Ø452-802 mm



CLIBOS

Direct plug fan

Hot gases recirculation up to 250°C

Air flow up to 50.190 m³/ h

Impellers Ø452-804 mm



PRESTUR

Backward medium pressure fan, to move clean or dusty air up to 130°C

Air flow up to 40.640 m³/ h

Impellers Ø311-802 mm



PREXTUR

Backward medium pressure fan, with a wider impeller to offer a higher flow rate, to move clean or dusty air up to 130°C

Air flow up to 31.500 m³/ h

Impellers Ø313-714 mm