

CFD FLOW SIMULATION

V-TECH LINE TOURING WINDSHIELD

REF.20732

AERODYNAMIC TEST

B M W C 4 0 0 X
2 0 1 9 -

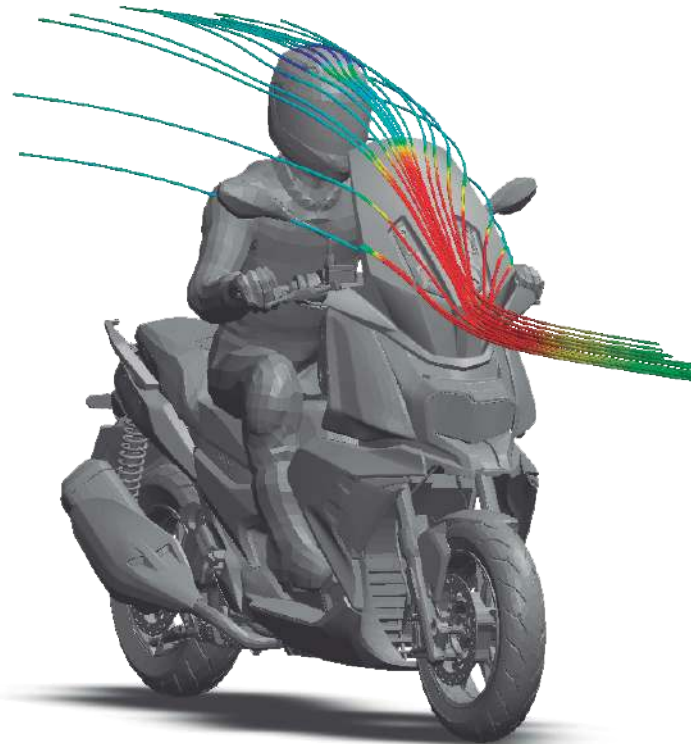
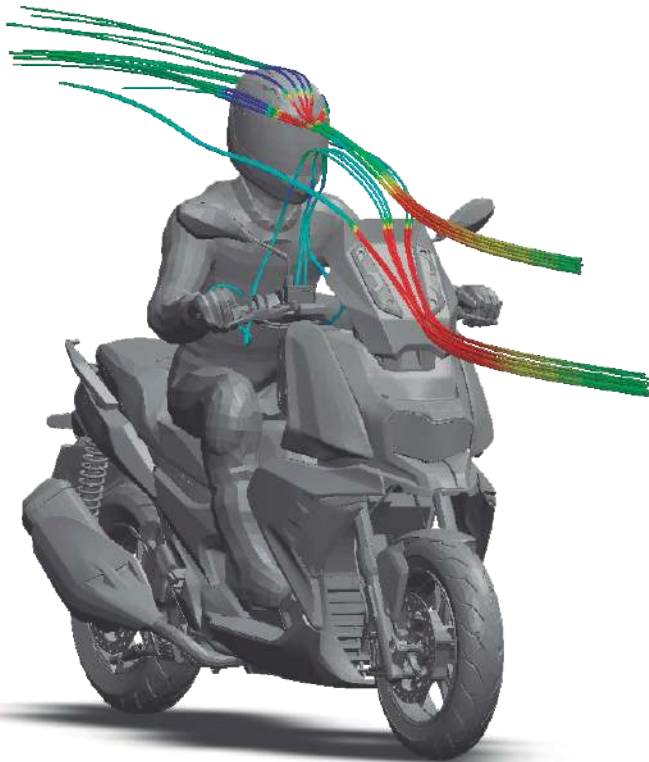


AIR FLOW & PRESSURE COMPARISON

Puig
 Hi-Tech Parts

ORIGINAL SCREEN

V-TECH TOURING SCREEN



HELMET PROTECTION

52%

UPPER BODY PROTECTION

90%

LOW BODY PROTECTION

100%

HELMET PROTECTION

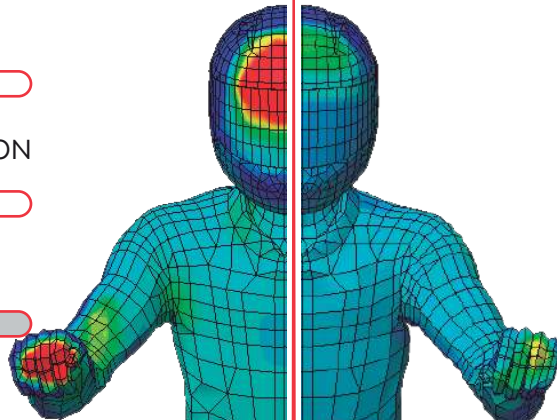
100%

UPPER BODY PROTECTION

100%

LOW BODY PROTECTION

100%



LOW PRESSURE

HIGH PRESSURE

TOTAL DISSIPATED PRESSURE WITH PUIG SCREEN IS EQUIVALENT TO 1,7 Kg

INCREASE WIND PROTECTION

91% WITHOUT LOSING C_x

AERODYNAMIC TEST CONDITIONS

VSPEED	120 Km/h	94 mph
RIDER HEIGH	180 cm	5.9 ft
TEMPERATURE	20°	68°F
RIDER POSITION	Standard	
LATERAL WIND	No	

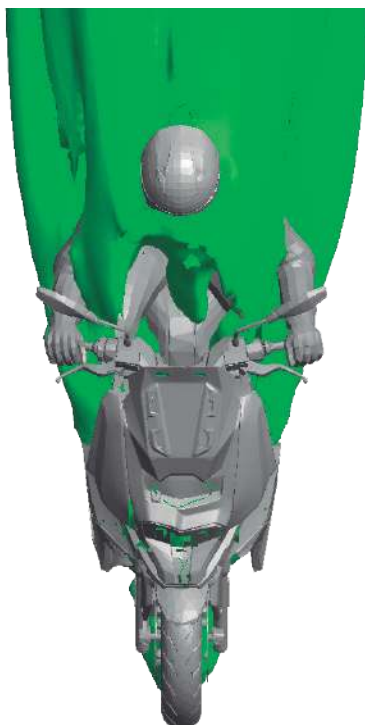
ACOUSTIC POWER LEVEL COMPARISON

55dB zone:

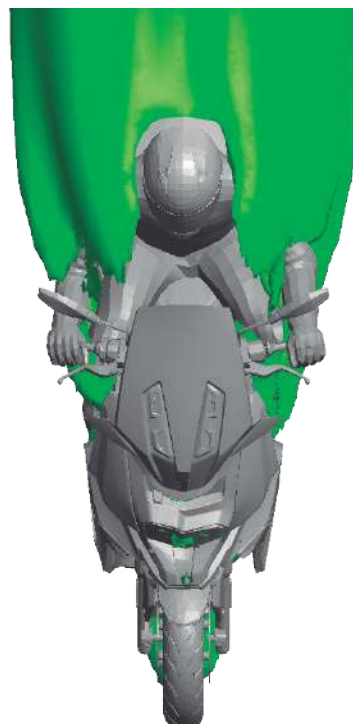
The green cloud that we can see in the following images defines the area affected by a sound level of 55dB. As we can see, when mounting the puig screen, we managed to remove all that annoying sound from the helmet area.



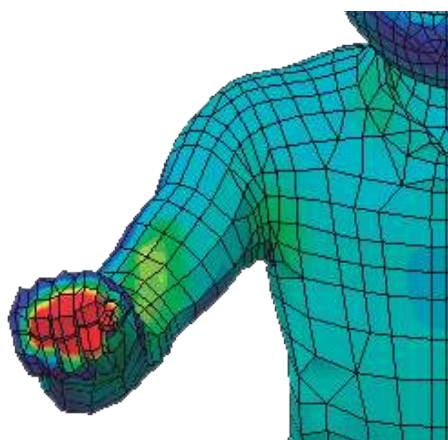
ORIGINAL SCREEN



V-TECH TOURING SCREEN

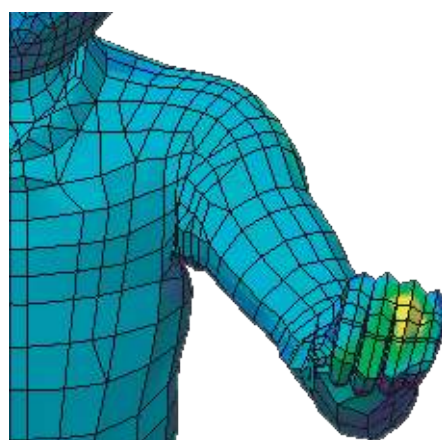


HANDS & ARMS PRESSURE COMPARISON



ARMS & HANDS PROTECTION

58%



ARMS & HANDS PROTECTION

92%

LOW PRESSURE

HIGH PRESSURE