

# EMMERRE

spare parts for trucks and trailers

## NEW FRICTION MATERIAL

( BRAKE PADS and BRAKE LININGS )

### LABORATORY: CUTTING-EDGE TECHNOLOGIES FOR EXCELLENT RESULTS

QUALITY HAS ALWAYS BEEN OUR MAIN GOAL, THAT IS WHY WE HAVE DECIDED TO TAKE A FURTHER STEP FORWARD, TO CONFIRM OUR COMMITMENT TO OFFER ONLY HIGH QUALITY PRODUCTS.  
WE ARE PLEASED TO PRESENT OUR NEW LABORATORY DEDICATED TO THE STUDY AND TESTING OF FRICTION MATERIALS (BRAKE PADS AND BRAKE LININGS).  
THE NEW LABORATORY ALLOWS US TO GUARANTEE VERY HIGH STANDARDS AND TO MEET THE STRICT SPECIFICATIONS REQUIRED BY OUR OES CUSTOMERS.  
STATE-OF-THE-ART MACHINERY ALLOWS US TO OBTAIN ECE R90 HOMOLOGATION, THE REFERENCE STANDARD FOR BRAKING MATERIAL.  
THE ENTIRE PRODUCTION OF EMMERRE BRAKE PADS AND LINING IS THEREFORE SUBJECTED TO THOROUGH CHECKS, ENSURING RELIABILITY AND SAFETY WITH OUR NEW TEST BENCHES:



#### FRICTION MATERIAL TEST M1000 MACHINE USED TO DETERMINE THE COEFFICIENT OF FRICTION.

SPECIMENS OF BRAKING MATERIAL ARE INSERTED INTO A CALIPER, WHICH SIMULATES BRAKING AND ENABLES THE PERFORMANCE OF THE BRAKE PAD TO BE ASSESSED UNDER STANDARDISED CONDITIONS, FOLLOWING THE SPECIFICATIONS AND STANDARDS OF THE CERTIFYING AGENCIES AND WITH THE POSSIBILITY OF PERFORMING AD HOC TESTS TO MANUFACTURERS' SPECIFICATIONS.



#### SHEAR TEST - LC3664 MACHINE TO TEST THE ADHESION FORCE OF THE BRAKING MATERIAL TO THE PAD ASSEMBLY.

THROUGH THIS CONTROL WE ARE ABLE TO DETERMINE THE FORCE REQUIRED TO DETACH THE PLATE OF BRAKING MATERIAL FROM THE METAL SUPPORT. THE STRENGTH AND RELIABILITY OF THE PRODUCT CAN THEN BE ASSESSED.



#### COMPRIMIBILITY TEST MACHINE TO TEST THE LEVEL OF COMPRESSIBILITY OF THE BRAKING MATERIAL.

THE TEST SPECIMEN IS SUBJECTED TO DIFFERENT PRESSURES AND TEMPERATURES (HOT AND COLD) TO DETERMINE ITS ABILITY TO COMPRESS AND ADAPT TO BRAKING SURFACES.

WITH THE MOST ADVANCED TECHNOLOGY IN OUR NEW LABORATORY, WE STRIVE TO OFFER PRODUCTS THAT ARE RELIABLE, SAFE, AND COMPLIANT WITH AUTOMOTIVE REGULATIONS, KEEPING QUALITY OUR FIRST GOAL.

THE QUALITY OF YOUR PRODUCTS STARTS WITH OUR INNOVATION!