

# Aquatexture

*A division of Burntwood Group*

**Runway Rubber Removal with ultra high pressure water**

**The definitive rubber removal service**



**Typical views of large aircraft landing leaving substantial rubber deposits**

**The need for the safe and fast removal of rubber deposits from airfield runways is well documented.**

Rubber build-up from increasing numbers of flights with ever heavier aircraft means regular clean-up operations. There are also decreasing time periods when the operation can be carried out.

Our machine, designed with the experience gained over 20 years of working on most UK civil and military airfields, operates at 2500 bar pressure - which now seems to be the world wide industry norm.

Our unique **variable width “Z Blast”** computer controlled machine powers the water through an oscillating system made up of micro-jets of water giving a definitive performance. The process can regularly achieve 700 m<sup>2</sup> per hour, depending on the degree of treatment required.

*The treatment is also very aesthetically pleasing, giving a uniform finish.*

*The process incorporates a very powerful suction recovery system and is designed to be one man operated, giving unrivalled safety for operator, pedestrians and passing vehicles.*



**Grooved Marshall Asphalt**



**Porous Friction Course**



**View along a typical runway**



**No damage to line markings**

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**Based in the midlands for easy access to all parts of the UK**

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## **Retexturing of highways using Ultra High Pressure (UHP) water**

Our “Roadjet” retexturing machines operate at up to 3000 bar (45 000 psi), although more usually at 2500 bar, using ultra high water pressure. They have full suction recovery and are one man operated ensuring the safest possible situation for operators, pedestrians and passing vehicles.

Our unique **variable width "Z Blast"** machine, developed and designed in house with over 25 years of experience, allows a full lane width (up to 3.1 m) to be retextured for both micro and macro texture. The computer controlled machine powers water through an oscillating rotary system made up of many micro-jets of water giving a definitive performance.

Having developed the variable width "**Z Blast**" unit, we are able to eliminate the common problems of untreated areas between the wheel-tracks which can be highly dangerous to some road users, particularly motorcyclists, and results in an excellent retextured road surface. There is no overlap either which can damage areas of the surface of the road with too much aggression. The road retexturing process is also aesthetically pleasing, giving a uniform finish.





If the road surface problem consists mainly of excess bitumen in the wheel tracks, particularly after a hot spell and with heavy traffic, then our latest "Roadjet" machine, designed specifically for these situations, would solve your problems. This machine is designed primarily for road treatment, and can treat just the wheel tracks, each with variable width from 400 mm to 1000 mm.

By treating the wheel tracks only, the cost is considerably reduced per linear metre of road and the "oil track" between the wheel-tracks is unimpaired.

The "Roadjet" also uniquely distributes more power to the centre of the wheel track where the bitumen build-up is greatest, giving a more visually aesthetically pleasing finish.



The blasting canopies can be side shifted in or out and adjusted for width whilst working to allow for any changes required.

One man operation from within the cab ensures maximum site safety.

All functions are computer controlled using touch screen technology and are independently controlled ensuring the correct treatment for each surface. In work mode, the vehicle is hydraulically driven enabling full engine power and infinite forward speed control. All functions are driven off the truck engine, meaning fewer emissions and a quieter environment. The detritus is vacuumed up enabling safe disposal.

The operation can be carried out at forward speeds of between 500 and 2000 metres per hour, thereby greatly reducing working time.

*The truck has three axles and a relatively short wheelbase making it highly manoeuvrable, useful for tight bends and roundabouts.*

*Our “Roadjet” range of machines have been designed and built “in house” drawing on our experience of over 25 years carrying out road retexturing and runway rubber removal work throughout the UK and Ireland.*