

FOCUS
tecnico

QUAD POWER 4 SERVICE FREE BELT

IL GRUPPO

GMM
Industrial components

BBM
Maintenance Partner

MEDICI
Professional Equipment

GMM USA
Industrial Solutions

THERE IS A GREAT INTEREST IN THE SERVICE FREE PACK BY GMM GROUP:

Thanks to Quad Power 4 belts the main local ceramic plants achieved 8% energy saving.

As part of its longstanding focus on sustainability, for more than two years Gmm Group has been proposing its Service Free package with the Gates Quad-Power 4 system through BBM Maintenance Partner.

The key strengths of the system include energy savings, maintenance-free operation, high levels of power transmission and reduced costs. The Service Free package is specially designed for industrial drives and guarantees considerable energy savings thanks to the use of intelligent components from industry leading brands assembled according to specific criteria.

In particular, the **Gates Quad-Power 4 bandless V-belt** attains energy efficiencies as high as 98% and ensures 4-5% average energy savings compared to conventional belts, allowing for a rapid return on investment.

The belt has special characteristics thanks to the use of hi-tech materials.

• MAINTENANCE-FREE OPERATION

The minimal-stretch cord technology guarantees stable tension over the entire belt lifetime.

This ensures a high degree of stability and allows for consistent operation while minimising the need for unscheduled maintenance. This is why the Gates Quad-Power 4 V-belts are labelled as Service Free.

• HIGH POWER TRANSMISSION

The notch shape is optimised to reduce bending stresses and increase efficiency, while the adhesive layer guarantees an extra strong bond between the tensile cords and the EPDM rubber polymer. These characteristics ensure high power density and consistent pulley-belt contact, allowing for a more compact drive design without affecting performance and with significantly reduced bearing loads.

• RESISTANCE TO EXTREME TEMPERATURES

The EPDM rubber polymer ensures a long lifetime and excellent wear resistance and maintains its performance even at extreme temperatures (from -50°C to +130°C, unlike industry-standard V-belts which operate from -30°C to +60°C before beginning to harden). Particularly useful areas of application include "ue gas extraction fans and the combustion gas zone above kilns or dryers.

The Service Free Pack solution with Gates Quad-Power 4 belts represents a highly efficient investment for the notoriously energy intensive ceramic industry. A number of Italian manufacturers are reporting excellent results after replacing conventional V-belt applications with Gates Quad-Power 4 belts. In some applications energy savings of almost 8% have been observed, far higher than expectations.