

Press Release

The new GlueCalc app from Baumer hhs calculates savings on adhesive and CO₂ in packaging production

Krefeld, 4 July 2019 – With the new GlueCalc smartphone app from Baumer hhs, packaging manufacturers can easily and effectively calculate and optimise adhesive consumption on a job-by-job basis right at their production lines. A world's first, this tool can identify potential ways to cut adhesive consumption and reduce associated CO₂ emissions. GlueCalc has been thoroughly tested in practice on a variety of customer systems. Based on the app's calculations, customers switched adhesive application from lines to dots where possible for a product and succeeded in reducing adhesive consumption by 50% and more. Annual savings range from thousands to tens of thousands of euros, depending on respective production volumes. The app further provided customers with sound, scientifically supported information on the extent to which minimising glue consumption reduced their CO₂ emissions.

The GlueCalc app is available now in the App Store for free download for Apple and Android systems.

“Packaging manufacturers are under immense pressure to cut costs. At the same time, they are expected to continuously improve the eco-balance of both their manufacturing processes and products. The calculations from our new app give them a solid foundation for optimising adhesive application in both economic and ecological terms,” says Baumer hhs Marketing Manager Andreas Brandt, emphasizing the major advantages of the tool for packaging manufacturers.

How much can we reduce adhesive consumption, the associated costs and CO₂ emissions if we glue packaging with dot patterns instead of lines? With GlueCalc, plant and production managers can answer this question in virtually no time. The only production data they need to enter is the number of glue lines per product, their length and width prior to final pressing, the per-minute production rate, weekly working hours, types of adhesive, costs per kilogram and currency, and already the app can calculate the costs and CO₂ emissions of different glue application methods. The results are displayed on the user's smartphone in clearly structured tables and diagrams. What is more, the calculations can be emailed from inside the app, for example to supervisors, giving them sound documentation for making decisions, or to sales staff, who can show customers how to optimise adhesive application based on solid facts and figures. It doesn't get any easier.

“Baumer hhs has set itself the goal of supporting packaging manufacturers in all aspects of adhesive application. GlueCalc helps our customers to fully exploit the flexibility of our low-maintenance adhesive application heads and lower their environmental impact at the same time,” points out Andreas Brandt.



The new GlueCalc smartphone app from Baumer hhs is available now in the App Store for free download. With it, packaging manufacturers can easily and very effectively reduce both adhesive consumption and CO₂ emissions on a job-by-job basis. Practical tests conducted on the premises of several customers showed: Using this world's first, customers can potentially save several thousand euros a year, while improving the eco-balance of their packaging products.

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Baumer hhs GmbH

Baumer hhs GmbH, Krefeld/Germany, is a leading, internationally operating manufacturer of industrial gluing systems in conjunction with quality assurance and camera verification systems. Baumer hhs offers its customers a carefully coordinated portfolio of solutions for a host of different demands on cold glue and hot melt application in automated production environments, including application heads, pumps, pressure vessels, control and monitoring systems. The portfolio is rounded off by a comprehensive range of services, from consulting and the testing of innovative applications at the hhs solution centre in Krefeld, all the way to every form of after-sales service.

Solutions from Baumer hhs are used in the folding carton and corrugated board industry, in print finishing, special-purpose machines and many other applications.

For more information on the Baumer hhs company, its products and its services, go to: www.baumerhhs.com.