



## Forward-thinking genius

The engineering team at Vimek

Vimek halved the time to market for the Minimaster 630 – a mini-forwarder forestry machine. The team uses the Autodesk® solution for Digital Prototyping.







## Meet our pathfinder



It's Fredrik Lundberg, CEO at Vimek. Fredrik helps Vimek develop and export new products into new markets.

Fredrik uses the Autodesk® solution for Digital Prototyping.

*"To create the Minimaster 630, we needed to improve upon the previous model. We took a big step – not just making small adjustments and modifications. We made it easier to maintain the engine. We added lights to the front and back, made the tyres wider, designed a new front bar, built a new frame and designed a new balance system for hooking. We now produce the 630 in a new eye-catching colour too."*

*The Autodesk solution for Digital Prototyping saved us time and money by letting us do a lot of work virtually instead of in the workshop. That way, we could upgrade our other machines at the same time. With the time we saved, we produced a spare parts book and service manuals ready for launch. That wasn't possible before when we relied on physical prototypes. The Minimaster 630 helped us get back on track again. Our sales are up 30% since launch.*

*We make machines that our customers can service and maintain easily. The Minimaster 630 is more attractive, more stable and easier to maintain than the last model. So, I'm confident we can expand into new markets."*

## Meet our power lifter



It's Johannes Nilsson, product manager at Vimek. Johannes helped boost production by 30%. Johannes uses Autodesk®

Inventor®, part of the Autodesk solution for Digital Prototyping.

*"To create the Minimaster 630, we asked our resellers and customers what they wanted. They asked for a smaller machine that works on-road and off-road. So, it had to be lightweight and practical. To make it, we needed to upgrade the engine parts, transmission, electronics and hydraulics."*

*We wanted to finish the machine for the Skogs Elmia exhibition – the main event for forest machinery in the Baltics. From design to production, we had ten months to get it ready. A month after the exhibition, we were making the 630 for customers.*

*Autodesk Inventor, part of the Autodesk solution for Digital Prototyping, helped us build the Minimaster 630. It made it possible to verify every detail of the design on the computer and make more collision detections than before. And we avoided making a physical prototype – which saved us time and money.*

*With the help of the Autodesk solution for Digital Prototyping, we moved from idea to finished product in half the time. Production is up 30% too. The machine we showcased at Skogs Elmia didn't look like a prototype. It looked ready to run, which helped with sales. And they're still going up."*

## Meet our multitasker



It's Thomas Johansson, design engineer at Vimek. Thomas helped move the Minimaster 630 from design to production in

half the time. Thomas uses Autodesk Inventor, part of the Autodesk solution for Digital Prototyping.

*"To build the Minimaster 630, we needed to take our 3D models to the next level. Inventor helped us do that with exploded views that make it easier to collaborate and show co-workers and non-technical people what we're talking about."*

*It's so much easier when you can see models in Autodesk Inventor, assemble them yourself and choose which nuts and bolts you want to use. Then you can do the material list for the exact amount of parts you're going to use. That saved us a lot of time and removed the human error involved in struggling with material lists. With the help of the Autodesk solution for Digital Prototyping, we moved from idea to finished product twice as fast."*

