HADDINGTON DYNAMICS

7705 Commercial Way, Ste125
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Haddington Dynamics is the creator of *Dexter*, a high-precision, high-performance 3D-printed haptic robot powered by an FPGA supercomputer. Dexter is designed as an open source global resource that radically bends cost curves, and empowers society to redefine how humans use and interact with robots. Dexter has a 670cm reach, 1kg payload and 50µm repeatability.

Kickstarter Update.

Little more than a week left. Almost there but we need some help.

The main goal of Kickstarter was to get Haddington's name out to a larger community and attract robot enthusiast. We are very happy with the outcome. We have backers from 32 countries. Dexter will be shipped to 13 different countries. We are talking directly with folks that are already helping the community.

Other big news that is not reflected in our Kickstarter goal numbers are the Dexters and packages we sold directly to individuals. The individuals are from Univeristies and companies that are not allowed to back on Kickstarter. We have $45,000 in sales since launch, if those orders could have gone through Kickstarter we would have already exceeded goal.

The Haddington team believes we will hit the Kickstarter goal because of the individuals we are speaking with that want to participate in the larger rewards. We had one individual, that spent 7 days with us and left with a Dexter on Wednesday Mar 1. He spent time with Kent regarding the build and really dug into the FPGA code. We look forward to working with this backer as he takes his new skillset back to China.

Your humble narrator has been talking to 3 other individuals that are ready to sign up for the $10K package. Because of the large expense they wanted (needed) more time with the Haddington team before pulling the trigger. We expect to see those backers on Kickstarter shortly. They range from hazmat area needs to fiberglass spraying. Dexter is quite universal.

NYIT invited the Haddington Team out for a gala at the launch of a new Multi-disciplinary department. Kent, Fry and James were greeted by over 200 faculty and students and NYIT President Rahmat Shoureshi. Great excitement and the desire to collaborate was the theme of the evening. Haddington Dynamics hopes to propel NYIT into a next generation maker university.

"Dexter platform is one of the more exciting developments in the field of robotics. It's combination of affordability, flexibility and extensibility provides tremendous opportunity to transform many aspects of Medicine, from the way we design and perform bench experiments to the way we educate future physicians. We are thrilled to collaborate with HD in building multidisciplinary applications of Dexter platform at NYIT, bringing together diverse faculty and students from Architecture, Engineering, Arts and Sciences and the Medical School"

Alex Vasilyev M.D., Ph.D.

NYIT COM

OPEN SOURCE LINKS @

http://hdrobotic.com/open-source/

Backer Highlight

Aron Igelström from Sweden was one of our first backers and he sure has been busy. Aron is an inventor and passionate about new technology. He plans to use Dexter at his job for low volume high variation circuits boards requiring micro soldering and paste extrusion. Aron has been very active on Thingiverse with Dexter and has printed out all the parts already.

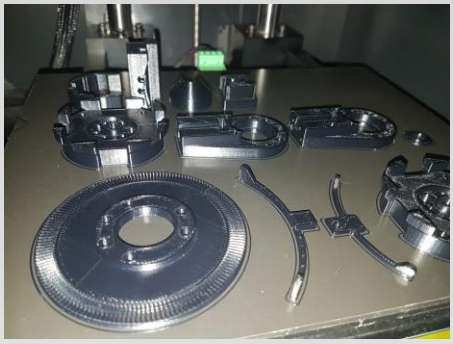

Photo of Aron's print bed with Dexter parts printed in ABS.

NYIT New York Institute of Technology

Official Press Release from NYIT

At NYIT (New York Institute of Technology), we have always had an intimate relationship with technology. NYIT sponsored the first National Technology Awards, was the first to introduce "teaching machines" in the 1950s, and was home to the revolutionary computer animation research and development lab that ultimately led to Dreamworks and Pixar. Today, we provide a technology-infused education to 12,000 students from all 50 states and 125 countries. Cutting-edge research in areas such as data visualization, cybersecurity, and bioengineering is guided by larger concerns like sustainability and how to create a better urban environment—topics demonstrated by university events like the International Water Conference at the U.N. and our annual Energy and Cybersecurity conferences.

Now, with the introduction of three new cross-disciplinary research centers, NYIT is embarking on the next phase of its technological evolution. Currently in its early stages, the **NYIT Center for Intelligent Bio-inspired Systems** is fueled by research in advanced material technologies, nano- and micro-devices, digital fabrication, and tool making. Using design principles found in nature, center collaborators (including faculty members, students, and industry partners) will find ways to apply these design principles toward discovering novel, transformative engineering strategies across disciplines and then translate those solutions into new products and solutions.

That's where Haddington Dynamics' Dexter platform comes in and why NYIT is so excited to partner with the company. Haddington provides a key vehicle for university researches and partners to rethink and revolutionize all areas of academic pursuit, both in the way we do research and how we teach. Dexter's versatility—its ability to make and remake itself—means that applications are endless. Dexter can create agriculture tools and then use those tools to plant seeds and water them. It can even duplicate itself and provide another means to a new solution.

At NYIT, this sophisticated level of technology can lead to advanced thinking and research that will help us speculate and design new kinds of architectures across scales and fields, from macro to nano. Through design thinking in local fablabs and by utilizing platforms like Dexter, researches can reimagine the world we live in, from smart cities to the components that make up the buildings in those cities, to the materials used to make the components, to the bio-devices we use to interact with the components. And it is that level of research and collaboration between faculty members, students, and industry partners that will take us into our future.

Learn more about NYIT: nyit.edu/about

More of Aron's printed parts