

STEDi 3D PRINTING - BROUGHT TO YOU BY QUILLS GROUP



ModelSmart Pro 280



ModelSmart Pro 200

PACKAGING



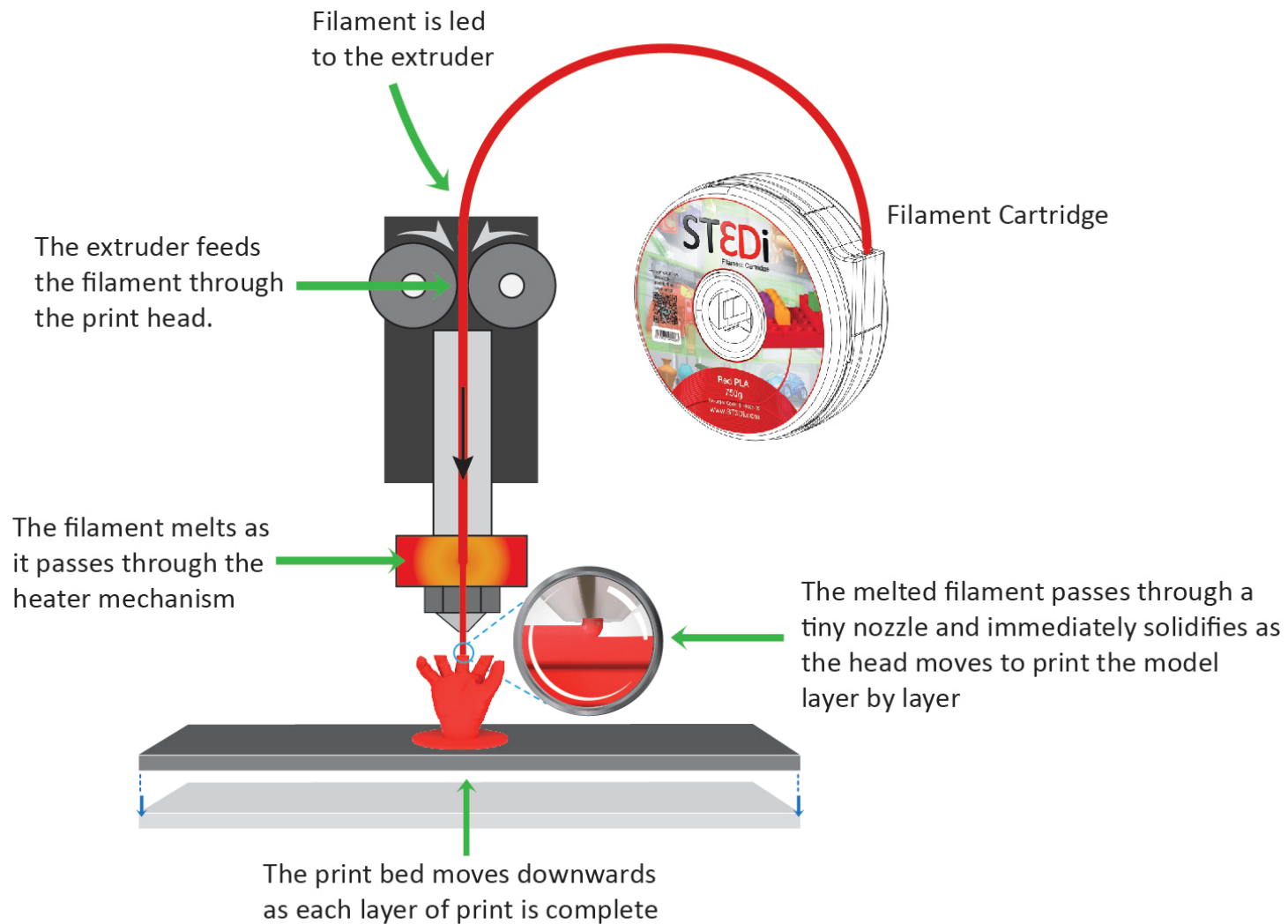
PRINTING THE FUTURE

“3D printing has the potential to revolutionize the way we make almost everything.”

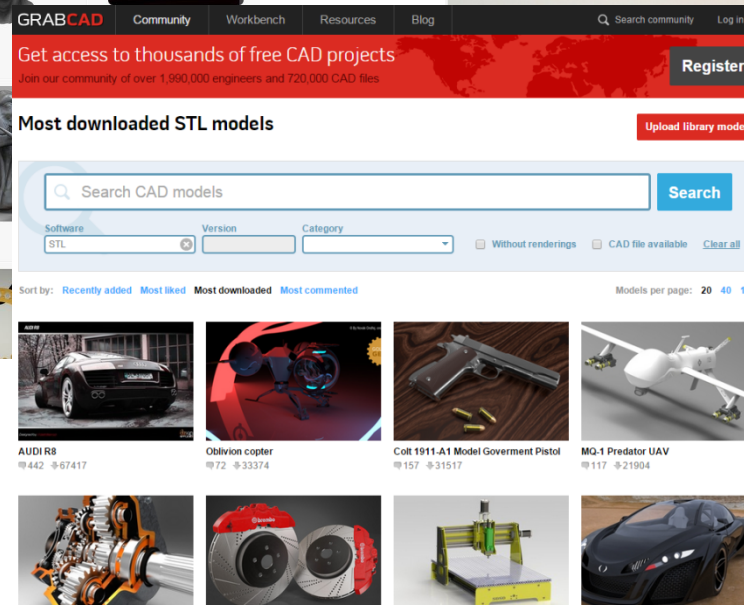
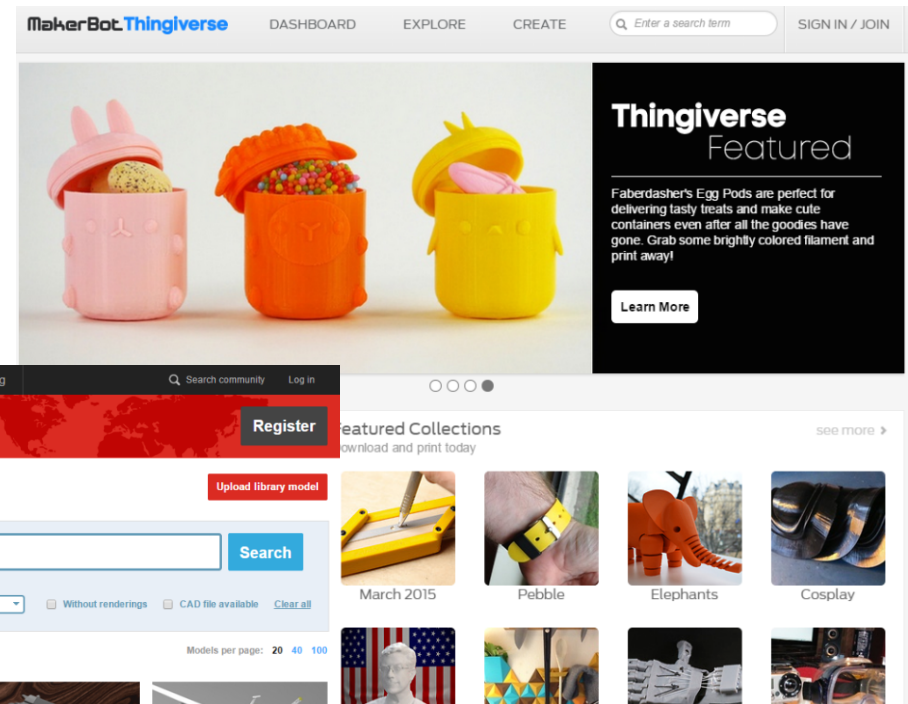
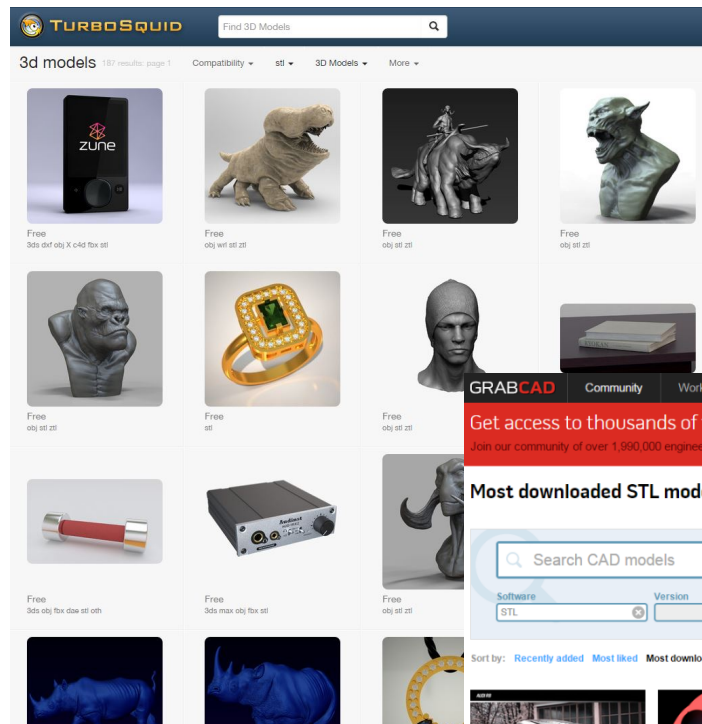
(President Barack Obama)



HOW 3D PRINTING WORKS



3D OBJECTS



BENEFITS

Whether for school, business or home use the applications of 3D printers are virtually limitless!

- **Business** - *Increasing efficiencies*

Reduce expense and time-to-market. Get designs right first time with no more costly production and testing.

- **School** - *Nurturing young talent*

Get ahead at school. Test the model's robustness, functionality and ergonomics and see each masterpiece come alive.

- **Home** - *Inspiring creativity*

Add the personal touch to home furnishings and furniture. Open your mind and let your creativity out.

- **Fun** - *Encouraging experimentation*

Release your inner child. Create anything from toys and games to fancy dress outfits, bespoke car accessories to doll's houses.

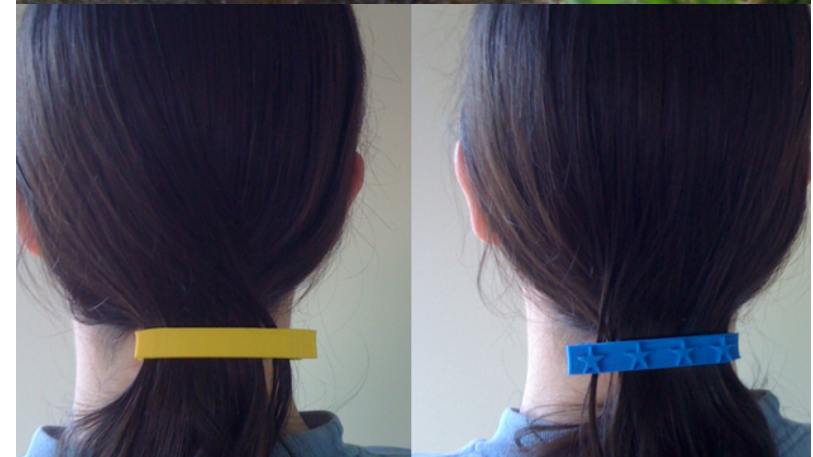
BUSINESS EXAMPLES

Automotive Industry	Prototypes for new parts/designs
Architects	Sample models Human/animal models, mathematical or scientific models; build your own CAD
Education	
Advertising Agency	New brand ideas, bespoke models
Estate Agents	Replica floor plans, model houses/ layouts
Photographer/Framing Stores	Photo frames
Arts and Crafts	Component parts for hobby, beads etc.
Jewellery Designers	Prototypes or finished product
Dentist	Modelling of patient's teeth
Gyms/Equipment Manufacturer	Branded merchandise, prototypes
Shoe Shops/Designers	Finished product or prototypes
Restaurants	Personalised cutlery, utensils, crockery etc.
Hotels	Vases, wine coolers, personalised crockery



BUSINESS EXAMPLES

Furniture Stores	Personalised furniture
Toy Stores	Personalised toys, design/build-your-own
Hair Salon	Bespoke furniture (example bespoke coffee table)
DIY Stores	Bespoke replacement parts; door handles, tools
Children's Play Areas	Bespoke toys, build-your-own
Kennels/Dog Grooming/Vets	Bespoke pet accessories, personalised collars
Engineers/Manufacturing	Prototyping
Nurseries	Bespoke toys, build-your-own
Novelty Stores/Party Shop	Bespoke novelty items, accessories, party equipment
Office Supplies/Stationery	Bespoke desk items; desk tidy, tape dispenser, personalised items
Interior Designer	Bespoke/custom made home accessories



BUSINESS EXAMPLES

Souvenir/Gift Shops	Bespoke/custom made gifts
Spas	Bespoke/branded toiletry packaging
Events Organisers/Arenas	Bespoke gifts/merchandise
Charities	Branded gifts for supporters/raising awareness
Wedding Planner	Bespoke/customised wedding favours/ gifts
Caterers	Bespoke jelly moulds, cake cases etc.
Hospitals	Medical equipment, mock-ups of body parts
Youth Groups	Design, young enterprise
Gardeners	Bespoke plant signs, gardening equipment
Retail Clothes Stores	Bespoke mannequin
Plumbers	Urgent tool requirements (specific sizes)
Pubs	Bespoke beer mats, cocktail stirrer
Casinos	Novelty chips



BUSINESS EXAMPLES

Independent Entertainers/Magicians	Props
Florists	Personalised bouquet holders, vases, gifts
Car Sales	Personalised/Novelty car accessories eg. Petrol caps, gear stick knobs
Graphic Designers	Mock up designs, branding as prototypes or for photographing
Haberdasheries	Bespoke knitting needles, crochet hooks
Bike Shops	Personalised accessories/helmets to size
Fishing Tackle Shops	Bespoke/novelty/personalised fishing floats, rod stands etc.
Museums	Bespoke stands/displays, scaled model of artefacts
Theme Parks	Ride pictures in a personalised frame
Perfume stores	Personalised/novelty perfume bottles
Opticians	Personalised glasses frames
Chocolatiers	Personalised chocolate moulds
Courier Companies	Novelty gifts/branded gifts





SUPPORT



Warranty & Customer Service

- 12 month warranty.
- Online troubleshooting support.
- Customer Service team for follow-up support.
- On-site support if required.
- Fully CE certified under the following directives:
 - **WEEE Directive**
 - **Low Voltage Directive 2006/95/EC**
 - **EMC Directive 2004/108/EEC**
 - **RoHS Directive 2011/65/EU**
 - **Green Dot**

TECHNICAL SPECIFICATIONS

		
	ModelSmart Pro 280	ModelSmart Pro 200
Extruder	2	1
Resolution	100 micron	200 micron
Print Tolerance	0.1mm	0.2mm
Max Model Size	280(w) x 150(h) x 150(d) mm	200(w) x 150(h) x 150(d) mm
PLA	✓	✓
Wood	✓	✓
ABS	✓	✗
PVA	✓	✗
Heated print bed	✓	✗
Filament Size	1.75mm	1.75mm
Z-Axis Sheets	✓	✓
ST3Di Edit Software	✓	✓
Helpful Printer Driver®	✓	✓
Auto Support Generation	✓	✓
Guarantee	12 month manufacturer's guarantee	12 month manufacturer's guarantee
Maximum Speed (mm/s)	80 mm/s	50 mm/s
Operating Tool	✓	✓
Illumination	✓	✓



MATERIALS

PLA

- PLA is an all-purpose plastic available in 9 colours.
- Environmentally friendly compostable product.



Wood

- All ModelSmart Pro printers can print with wood.
- A wood sawdust and glue composite, just like MDF.



MATERIALS

ABS

- ABS is a more durable plastic for hard-wearing applications, available in two colours.
- Environmentally friendly recyclable product.
- Requires a heated bed; for ModelSmart Pro 280 only.



PVA

- A water-soluble support structure for more complex models.
- Use this on the ModelSmart Pro 280's second extruder to print your supports and then dissolve in water.



CONSUMABLES



Filament Cartridge

- Designed specifically for the ST3Di range of 3D printers.
- Bi-directional Smart Chip provides accurate filament levels.
- Identifies if sufficient filament for each print job.
- Produced to the most exacting standards.
- Consistency of colour each time you print.



NEXT STEPS...

Call **0845 078 0324** or email **sales@quillsuk.co.uk**
for further details or to arrange a free on-site demonstration.