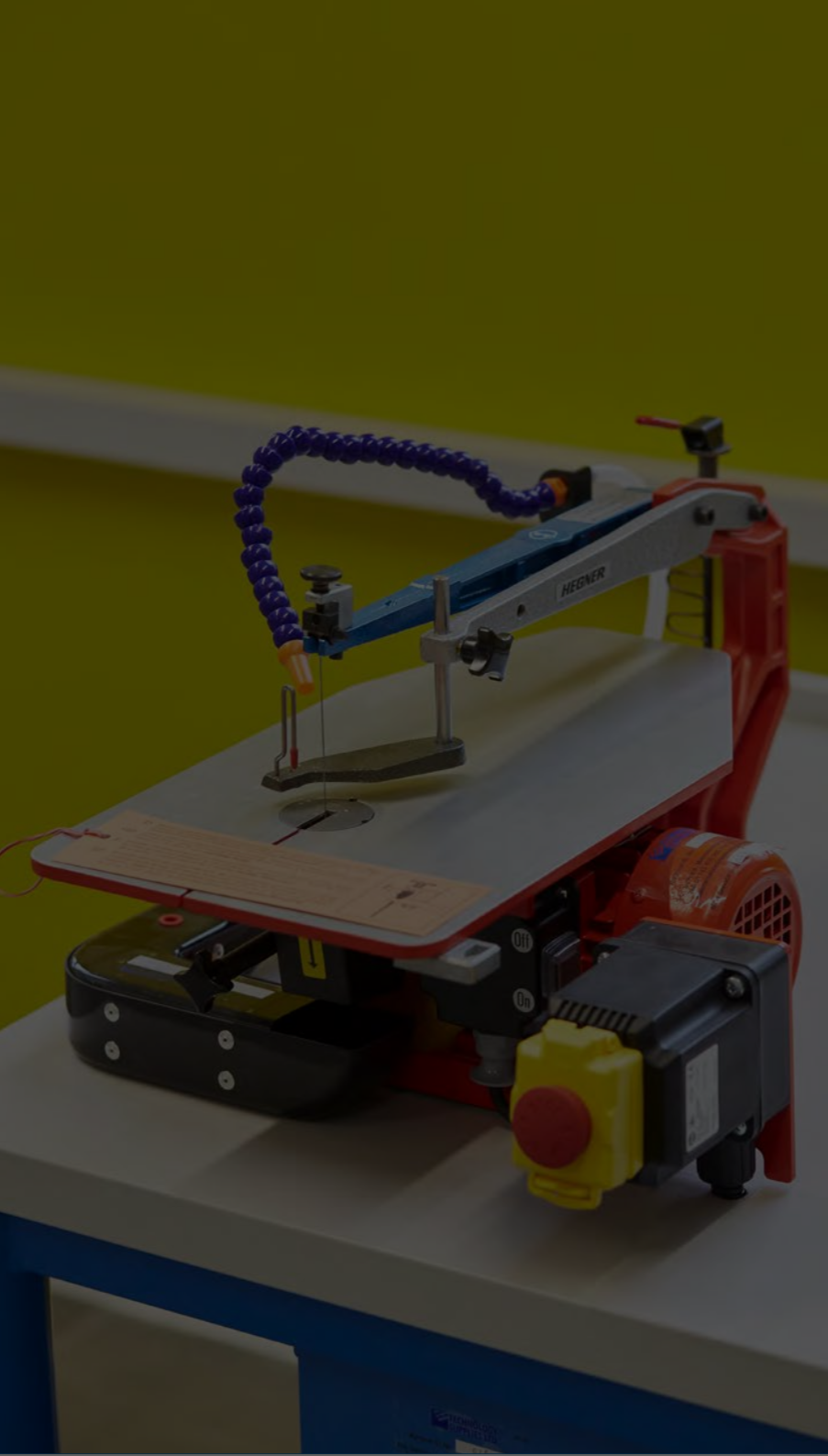


Part of **WF** Education Group

The Ultimate Guide for Education



Introduction

What is a scrollsaw?

A scrollsaw is a useful power saw that is designed to make ultra-intricate cuts in pieces of wood and other materials.

Scrollsaws enable you to make cuts inside of a piece of wood or cut from the outside and work your way inward. Unlike a band saw, the blade is short, very thin, and simply reciprocates up and down. Blades are available in various sizes and tooth patterns for use with different materials. While mainly used for wood, you can cut plastic, metal and even glass with the correct blade.

Scrollsaw size is determined by its throat. Throat size is the distance from the blade to the rear of the saw where it joins the table. The longer the throat, the larger the material you can cut.

A scrollsaw works like a bandsaw; you move the work against the saw blade to make the cut. However, the key difference is that with a bandsaw the saw blade is a continuous loop whereas a reciprocating blade is used in the scrollsaw.

The main purpose of a scrollsaw is to cut intricate profiles, patterns and joints. You can make intarsia, marquetry, lettered signs, and templates. Another use of scrollsaw is to make wooden toys, jigsaw puzzles etc.

TOP TIP!

When buying a scrollsaw look for the following:

- The throat size of the saw
- Type of blade; pin end blade vs regular flat blade
- Available speed
- Noise and vibration at various speeds
- Are the control knobs at easily accessible locations?
- The maximum angle of tilt
- Proper dust removal

With this buyer's guide, you now have all the information you need to purchase a Hegner scrollsaw that fits your needs perfectly.



Why Hegner?

The market-leading Hegner scrollsaw range provides the highest quality, highest precision machinery in the scrollsaw market. Renowned for impeccable workmanship, Hegner scrollsaws have been designed to last, so our scrollsaws give you the confidence you need to be sure that your equipment will not let you down.

With their manufacturing heritage and reputation for high quality and long-lasting machinery, Hegner has been trusted for a huge variety of applications by generations of Artisans, Craftworkers, Joiners, Cabinet makers, Woodworkers, Furniture restorers, Artists, Sculptors, Woodturners, Model makers, Jewellers, Clockmakers and Students - young and old.

TSL is proud to be the exclusive UK distributor of Hegner products.

The purpose of TSL's long-term partnership with Hegner is to provide schools and colleges with exceptional quality, reliable woodworking machines and accessories.

The quality, reliability, and stability of Hegner Scrollsaws, a wide range of models suitable for every application as well as a wide range of accessories make Hegner the ultimate choice.

Don't take our word for it...

EVO HANNAN – Design Technology Teacher,
Dwight School, Dubai

Why choose a Hegner in an educational setting?

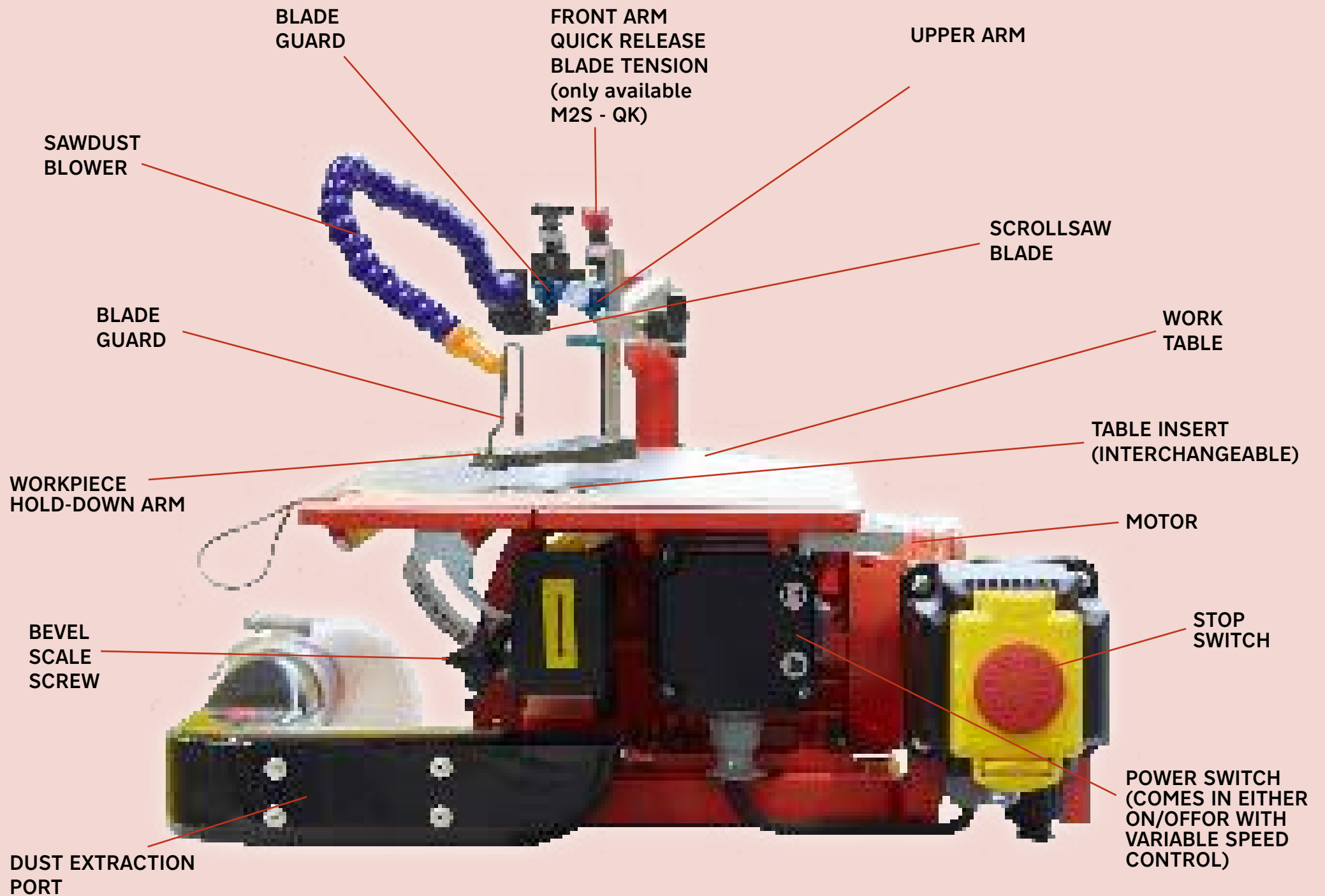
“Hegner scrollsaws have had a great reputation for being both reliable and durable for a long time. I remember using a Hegner scrollsaw as a teenager when I studied Design and Technology. It was one of my favourite tools to use.”



Hegner Scrollsaws



	Multicut 1	Multicut 1V	Mutlicut 2S	Multicut 2SV	Multicut SEV	Multicut Quick
Weight (kg)	18	18	21	21	25	31
Motor	1ph (230v) 0.1kw	1ph (230v) 0.1kw	1ph (230v) 0.1kw	1ph (230v) 0.1kw	1ph (230v) 0.1kw	1ph (230v) 0.1kw
Table Size	435 x 230	435 x 230	435 x 230	435 x 230	435 x 230	435 x 230
Table Material	Aluminium	Aluminium	Aluminium	Aluminium	Cast iron	Cast iron
Overall Machine	520 x 325	520 x 325	610 x 235	610 x 235	610 x 235	730 x 235
Table Tilt	45° RH	45° RH	45° RH, 12° RH	45° RH, 12° RH	45° RH, 12° RH	45° RH, 12° RH
Depth of Cut (mm)	Wood - 50 Plastic - 25 Metal - 9	Wood - 50 Plastic - 25 Metal - 9	Wood - 65 Plastic - 40 Metal - 15	Wood - 65 Plastic - 40 Metal - 15	Wood - 65 Plastic - 40 Metal - 15	Wood - 65 Plastic - 40 Metal - 15
Throat Size (mm)	365	365	460	460	460	560
No-load speed	Single 1440 spm	Variable 400-1440 spm	Single 1440 spm	Variable 400-1440 spm	Variable 400-1440 spm	Variable 400-1440 spm
Stroke Lengh (mm)	12 & 15	12 & 15	12 & 19	12 & 19	12 & 19	12 & 19
Dust Ducting	Yes	Yes	Yes	Yes	Yes	Yes
Stand Available	MS2	MS2	MS2	MS2	MS2	MS2
Warranty Details	2 years	2 years	2 years	2 years	2 years	2 years



Benefits of Hegner Scrollsaws

- The throat size of the saw
- Finest cuts, tight radii
- Simple and easy to perform inside cuts
- Precise and accurate cutting
- Quick blade changing with Hegner blade clamping system
- Infinitely variable electronic speed control (optional)
- Brushless motors means no laborious brush replacements
- The induction motor ensures saws can be used without issues for extended periods
- Dust blower tube - or suction tube
- German precision engineering
- 2 Year Guarantee*
- Hardwoods, softwoods, thick and thin cross-section are no problem for a Hegner Scrollsaw

* 2 year manufacturer's warranty on mechanical parts and 1 year manufacturer's warranty on electrical parts.



What can your students create?

Hegner Scrollsaws - In a class of their own.

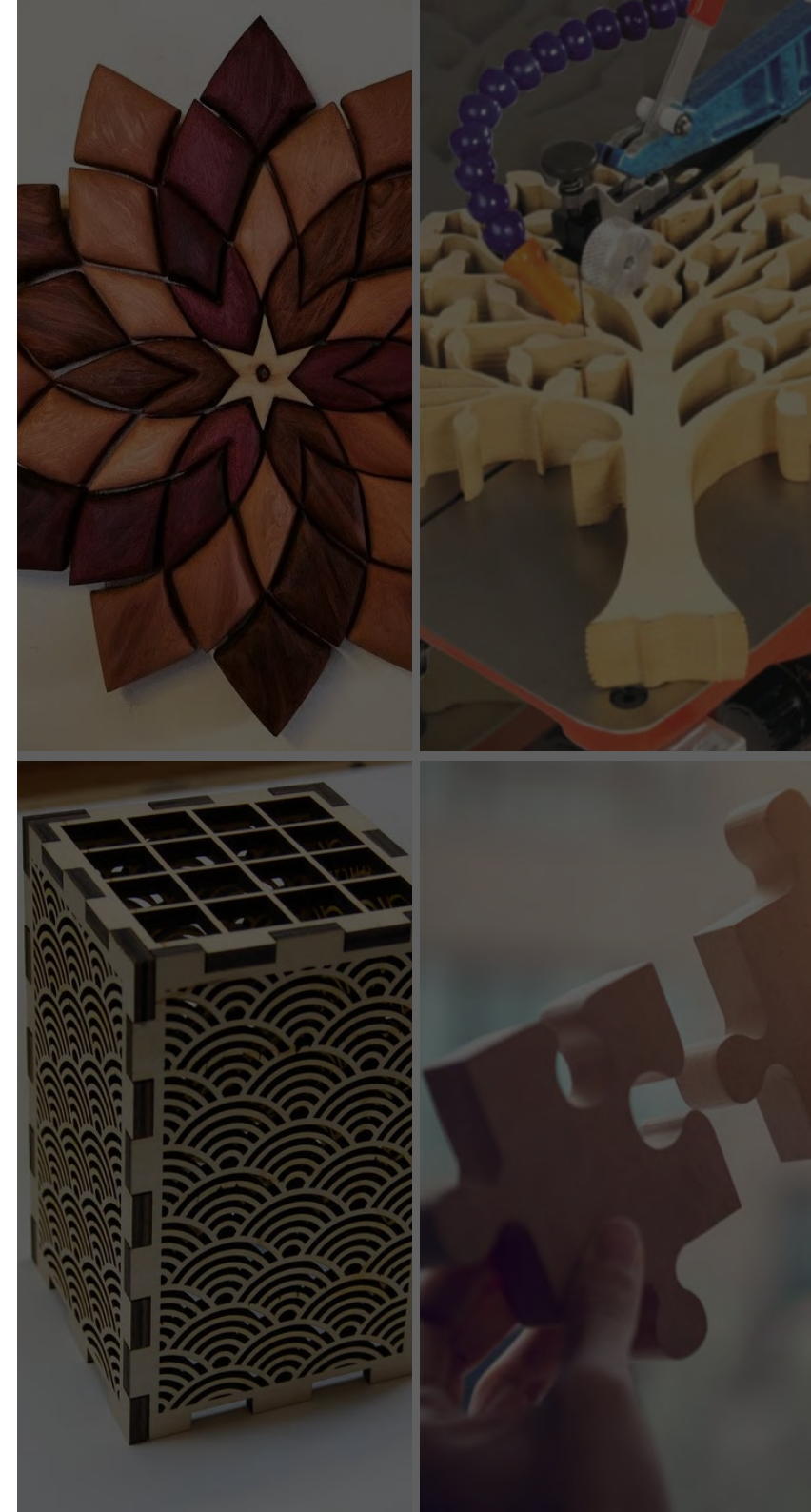
Giving astounding results whether cutting wood, non-ferrous metals, steel, plastic etc. They will allow students to create pieces of work they had never thought possible.

Simple scrollsaw projects are a fantastic introduction for students who are proficient using a drill and other hand tools and are ready to start learning how to use powered saws safely and proficiently.

When it comes to making intricate designs, cutting curves, or working with variable materials, the scrollsaw shines. Some of the more popular types of projects that students and woodworkers find a scrollsaw useful for are:

- Intarsia
- Inlay
- Fretwork
- Marquetry
- Jigsaw puzzles
- 3D puzzles
- Toys and games

The only limit is their imagination...



Health & Safety

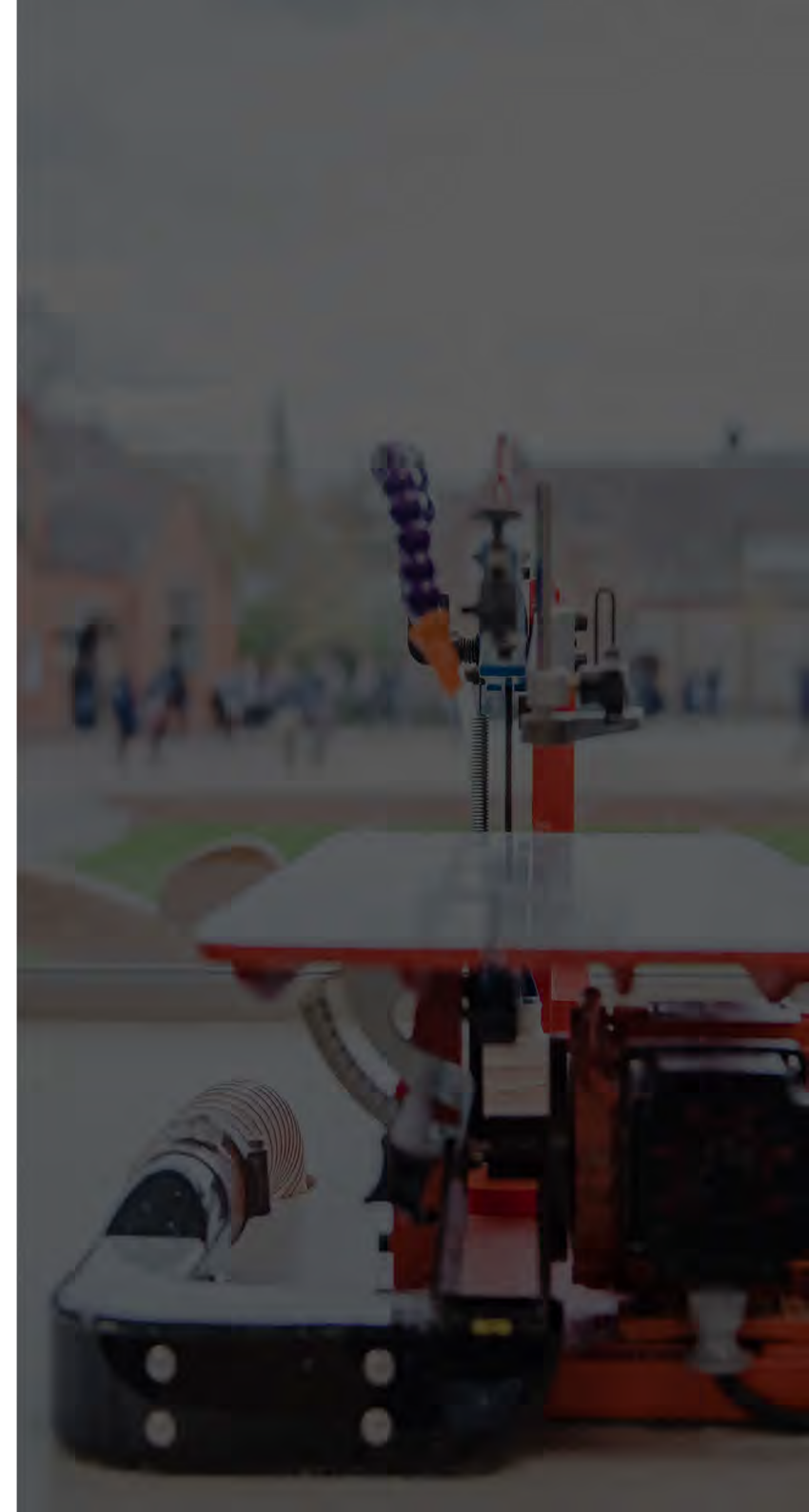
The Scrollsaw is one of the best machines for teaching practical Design & Technology and the benefits of introducing a scrollsaw to younger students are huge. These machines should be treated with caution, misuse can be dangerous, and therefore you must ensure your students are kept safe.

Recommended in-house machinery safety arrangements include:

- All machinery should be deemed safe to use at the beginning of each lesson by a teacher or technician. This includes guarding being set appropriately for specific materials being used throughout the lesson.
- Regular inspections with comprehensive records kept, any defects noted, and resolutions also logged. CLEAPSS provide useful checklists to help put these inspections in place.
- All machinery found defective MUST be isolated and fixed with adequate NOT IN USE labelling.
- When purchasing a scrollsaw ensure the brand is trusted, tried and tested and provided with education ready safety features. Every Hegner machine has safety features as standard, including a workpiece hold-down arm, blade guard, and a conveniently placed stop switch.
- All manufacturer instruction manuals should be made available.

**Read our TSL Scrollsaw -
Safety Musts guide**

Download online: technologysupplies.co.uk/advice/tsl-scrollsaw-safety-musts



Blade Selection

There are several types of blades available to use on a scrollsaw.

Standard Tooth

On a standard tooth blade, the teeth are evenly spaced and are all the same size.

Wood blades have larger teeth with greater space between them to clear the sawdust as you cut. With a metal blade, the teeth are smaller and closer together.

Skip Tooth

As the name would suggest the skip-tooth blade has a “skip” or space between the teeth. It has half as many teeth as the standard blade. The wider space between the teeth keeps the blade cooler and makes it a good blade for beginners to use.

Speciality Blades

There are other speciality blades available such as the spiral blade, reverse tooth, and metal blades.

View our range of scrollsaw blades

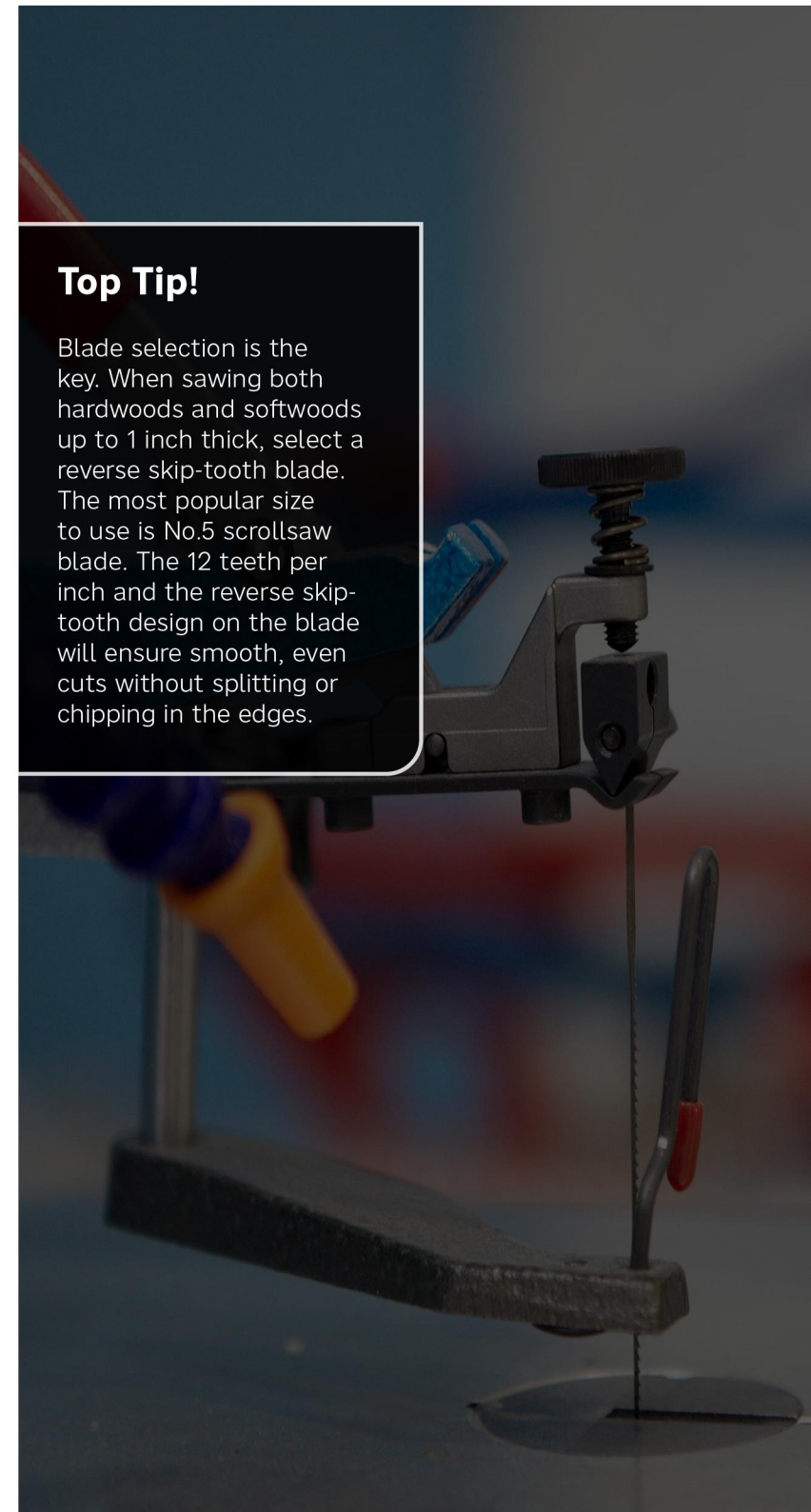
Download online:

technologysupplies.co.uk/machine-tools/machine-spares-accessories/saw-blades/scrollsaw-blades



Top Tip!

Blade selection is the key. When sawing both hardwoods and softwoods up to 1 inch thick, select a reverse skip-tooth blade. The most popular size to use is No.5 scrollsaw blade. The 12 teeth per inch and the reverse skip-tooth design on the blade will ensure smooth, even cuts without splitting or chipping in the edges.



Also available

As part of the TSL Hegner range, we offer a number of complementary pieces of equipment:

Dust Extractor

The [Maximus 13E dust extractor](#) is quiet with enormous suction power and a large operating range. Perfect for use with a single Hegner saw.

Footswitch

Turn machine on and off instantly. The [footswitch](#) keeps both hands free to control your work at all times.

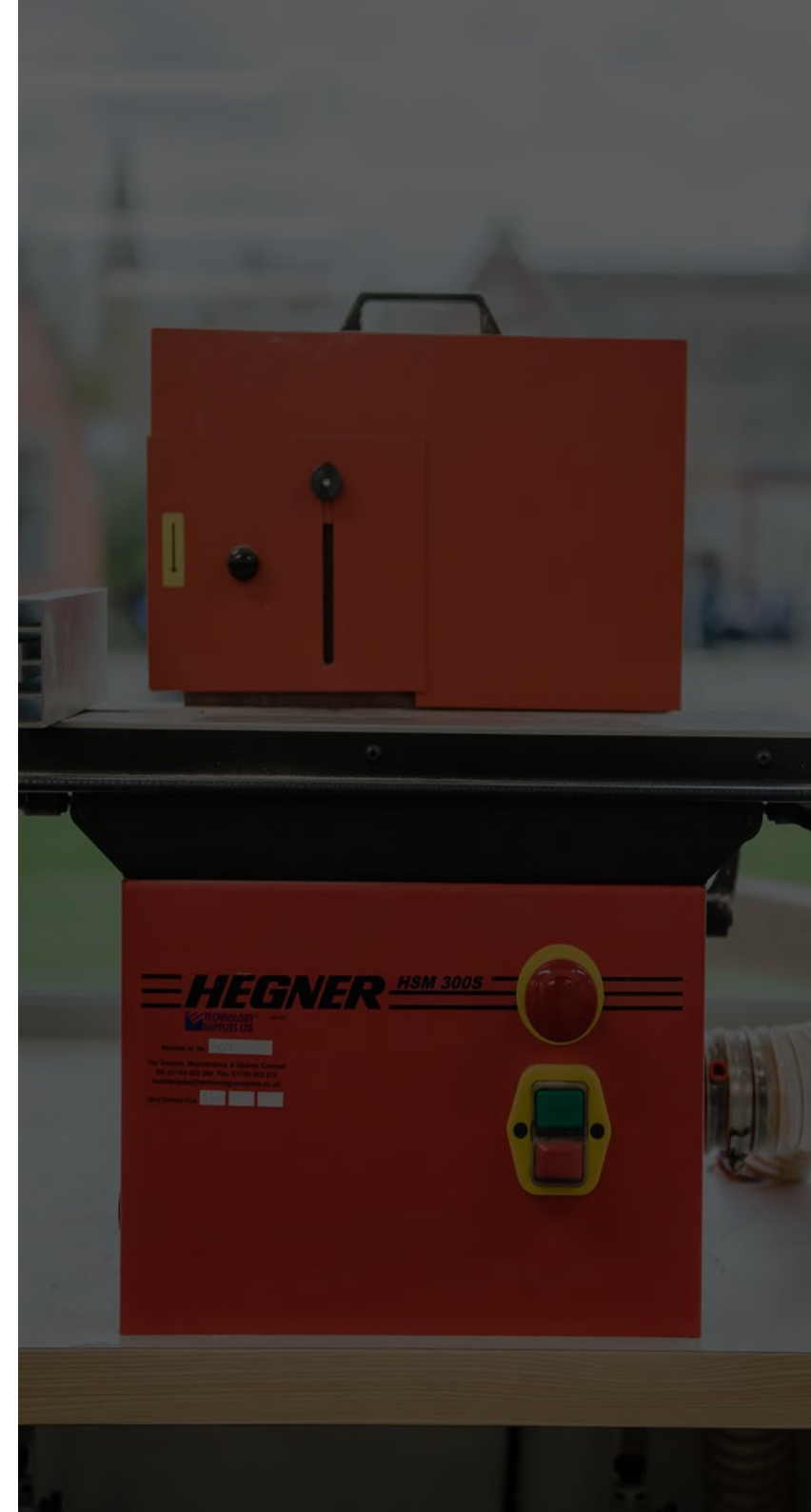
Disc Sander

Bench mounted [disc sander](#), with a full guarding system and quick change sanding disc mechanism. Also available free standing with built-in extraction.

Spares and Accessories

TSL provides a full range of spares and accessories for Hegner scrollsaws.

The '[Spare Part Finder](#)' on our Hegner UK website is a useful place to start – equally, our customer support team would be delighted to assist you in selecting the right part.



FAQ's

At TSL, we love to talk technical. Our expert team of technicians have years of experience of working with, installing and maintaining Hegner machines. They have put together a FAQ document to help answer some common queries.

Read our Hegner Scrollsaw FAQ's

Download online: technologysupplies.co.uk/advice/faq-s-hegner-scrollsaws



Can't find the answer you're looking for?

Contact the team today:
sales@hegner.co.uk
01743 453293



Warranty and Maintenance

We understand that in today's D&T workshop environment, teachers and technicians can find administering machine maintenance and servicing issues time consuming, problematic and expensive with multiple suppliers, differing warranties and complex servicing schedules. With over 27 years' experience in the education sector, we offer maintenance contracts to solve these problems, giving you peace of mind whilst saving you time and money.

Interested in maintenance?

[Get in touch](#) with our dedicated Maintenance Team, who can offer advice on the services you require and provide a no-obligation quotation.

Peace of mind...

Every Hegner machine has a manufacturer's warranty of 2 years (except the electronic speed control, which is one year), giving you confidence in the workshop.





TSL
Part of VET Education Group
Specialists in Design & Technology facilities
www.technologysupplies.co.uk



Flexible Solutions

Akira™ mobile bench system

The Akira™ WorkBench is a mobile, heavy duty bench designed and manufactured in the UK by WF Education Group specifically for use in practical and technical education settings.

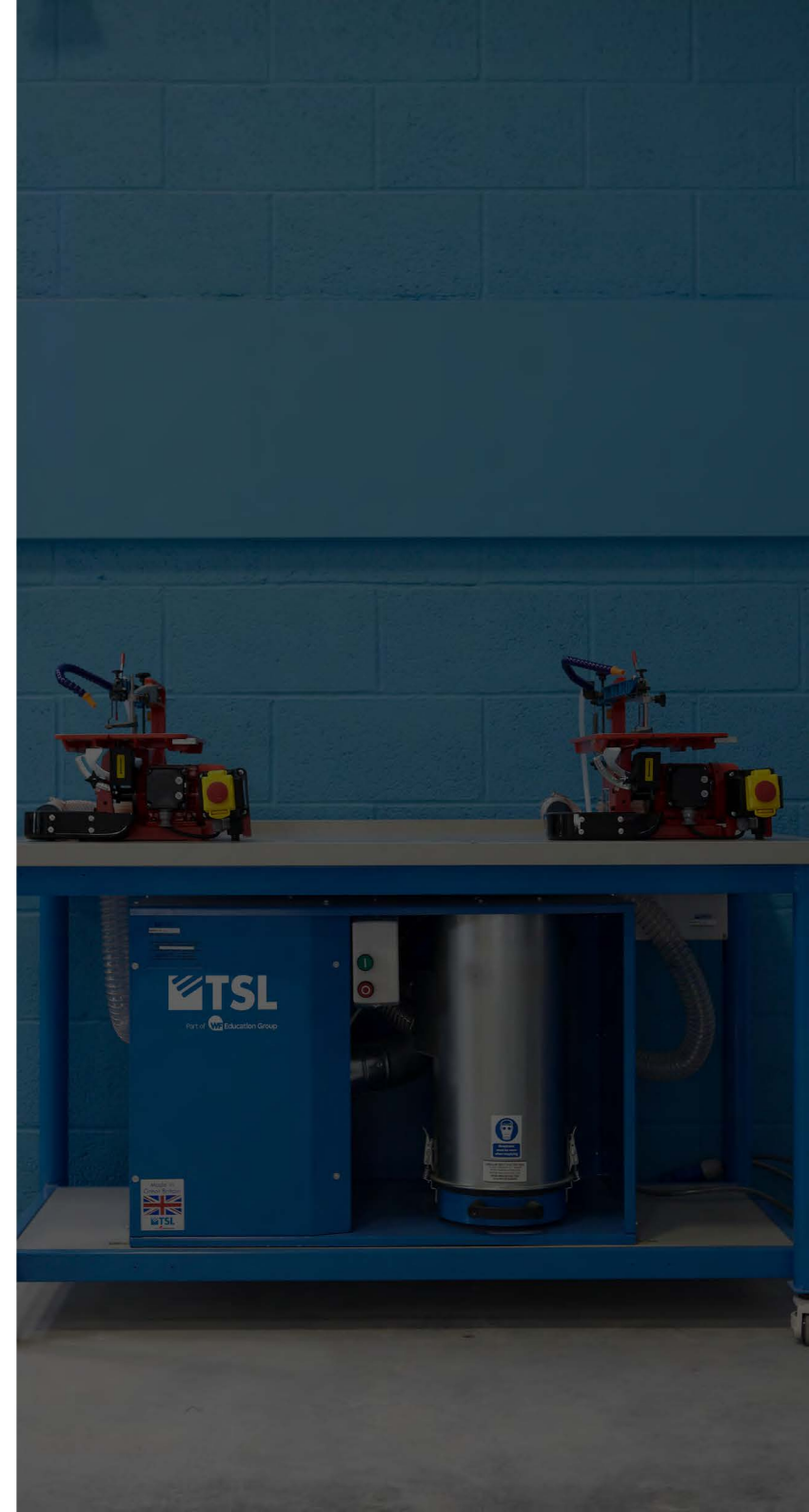
The Akira™ WorkBench with Hegner Scrollsaws AKWBM01C06
A fabrication system for two users, ideal for intricate cutting work with woods, metals and plastic.
Colour: Onyx Grey panels, Monument Grey worktop.
Includes 2x Hegner Multicut 1 Education Version Scrollsaws with safety stop switches, 2x Hegner Maximus Extraction Units, Tray Storage Unit.

Benefits

- Ideal for non-specialist teaching spaces
- Install the equipment you need, changing the focus of the workshop
- Space-saving - A neat solution when fixed benchtops aren't an option
- Configurable – suits a variety of applications
- Easy to install – 'Plug and Go'
- Safe - Integrated safety features of fixed installations included

Find out more about our
Hegner Akira™ configurations

<https://blog.wf-education.com/hegner-akira-workbench>



Other services

Design Consultancy & Installations

From all-encompassing 'Innovation Spaces' to Design & Technology and Library installations including FF&E; our projects team offer a comprehensive, bespoke service from design consultancy and planning through to installation and training covering refurbishments and new builds.

We have a team of experienced, in-house designers and education specialists offering a consultancy, designed solution that will equip your school with next generation, innovative learning environments for your pupils.

Servicing & Maintenance

We also offer comprehensive servicing and maintenance contracts carried out by our qualified engineers on all workshop equipment, including laser cutters.

D&T Supplies

Every year in the UK, 3.5 million pupils are taught using consumables that have been sourced from TSL. We have everything you need for Design & Technology with thousands of products across materials, engineering, electronics, graphics and more.

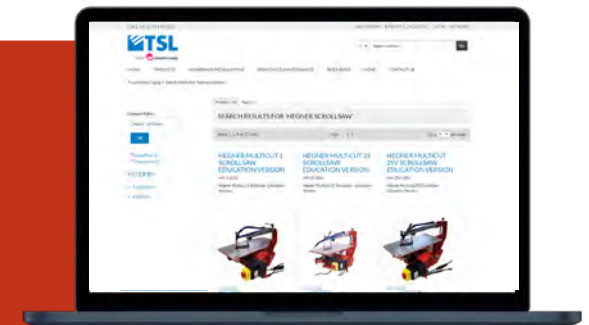
What to do next?

TSL stocks the full range of Hegner products that have been chosen specifically for their suitability for education.

View Hegner online

Go online and filter our wide range of Hegner products based on your requirements

[View all Hegner products](#)





Part of  Education Group

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Shrewsbury, Shropshire SY1 3FE

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