



**PRECISION
LASER
MODELS**

READY FOR LASER!

TARANTULA PLAN for LASER

This laser cutting plan makes a stunning Tarantula model like no other!

After laser cutting, assemble your model using normal PVA white woodworking glue (like Elmer's), and then either leave it bare wood, or create stunning effects using a variety of acrylic paint colours.

Body length 2 ⁵/₈" – 67mm

MAKE FOR A GIFT OR TO SELL - kit or finished model

In addition to your laser cutting plan, these are all included FREE:

FREE step-by-step assembly instructions

FREE header artwork for retail poly bag + space for your details

FREE flyer artwork, 3-on-a-sheet, black and white + space for your details

FREE flyer artwork, 3-on-a-sheet, full colour + space for your details

FREE jpeg of finished model

FREE Group photo

FREE WASP mini model to laser cut and make (credit card size plan)

FREE BUTTERFLY mini model to laser cut and make (credit card size plan)

LASER CUTTING AND ENGRAVING GUIDELINES

(This information also appears at the bottom of the laser plan.)

This model has been designed for 0.8mm (1/32") plywood, which you can buy online and may also be available at your local craft store.

There are many different laser machines on the market, offering a variety of power and speed settings, but here are suggested cutting settings which you can use as a starting point:

35 Watt – power 60; speed 2%; ppi 200. 60 Watt – power 100; speed 18%; ppi 300.

Each part of the insect has either one or two very small tabs to hold it in place on the sheet. This plan is accurate for 0.8mm (1/32") plywood. Important! Tape or weight your plywood down to keep it flat on the laser bed. Part numbers have been set up as rasters for laser engraving.

Each panel measures 6½" x 8", easily fitting onto letter size plywood.

How to assemble your tarantula

Your tarantula is easy to assemble, but PLEASE READ THIS FIRST:

- Part numbers on this instruction sheet correspond to the numbers on the model;
- Only press out parts as you need them; use the pick tool to press out small parts;
- Use only white wood glue, such as Elmers in a squeeze bottle or tube;
- Don't rush! You'll achieve better results if you don't work too fast;
- If you need assistance gluing parts together, use masking tape, clothes pegs or small clamps;
- Follow the instructions below, making sure to leave the legs and palps until last.

First, press out the body part marked "centre piece" and one of the two parts numbered "1".

Squeeze out a thin bead of glue onto one side of part #1 and spread the glue out over the surface. Try using your little finger – the glue is not harmful and washes off easily.

Position part #1 onto the centre piece so that it looks even all the way around, and press the two parts together.

Important: take care aligning the pieces in the following section! Parts #3 to #9 have slots in the underneath to accept the legs. When gluing these body pieces, make sure that the tops of the slots are all level. Also, make sure that each body piece looks evenly positioned all the way around as you glue it down.

Continue with parts #2 to #12 just like part #1, so that #2 glues to #1, #3 glues to #2, etc. until you have completed one half of the body.

Let the first half of the body dry before starting the second half, which you will make in exactly the same way as before, beginning with part #1. Do use masking tape to secure the two halves together whilst the glue dries, if necessary.

Now you should have the complete body, to which you can start to add the legs and

for the other back leg, and then turn the body and 2 legs over and gently position the both legs so that they are touching the ground evenly.

Next, do exactly the same thing for the front two legs (not the palps yet), once again turning the body over to check that these two legs are also touching the ground evenly, along with the two back legs already completed.

When you are satisfied that these four legs are positioned correctly, you can glue and align the remaining four legs in the same way as before.

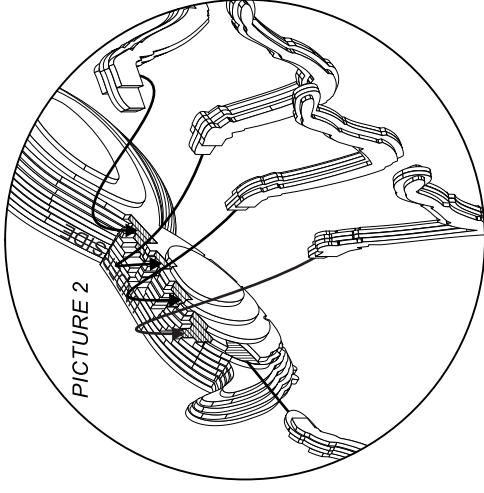
Let the glue dry completely.

Last pieces to assemble into the body are the two palps, at the very front of the

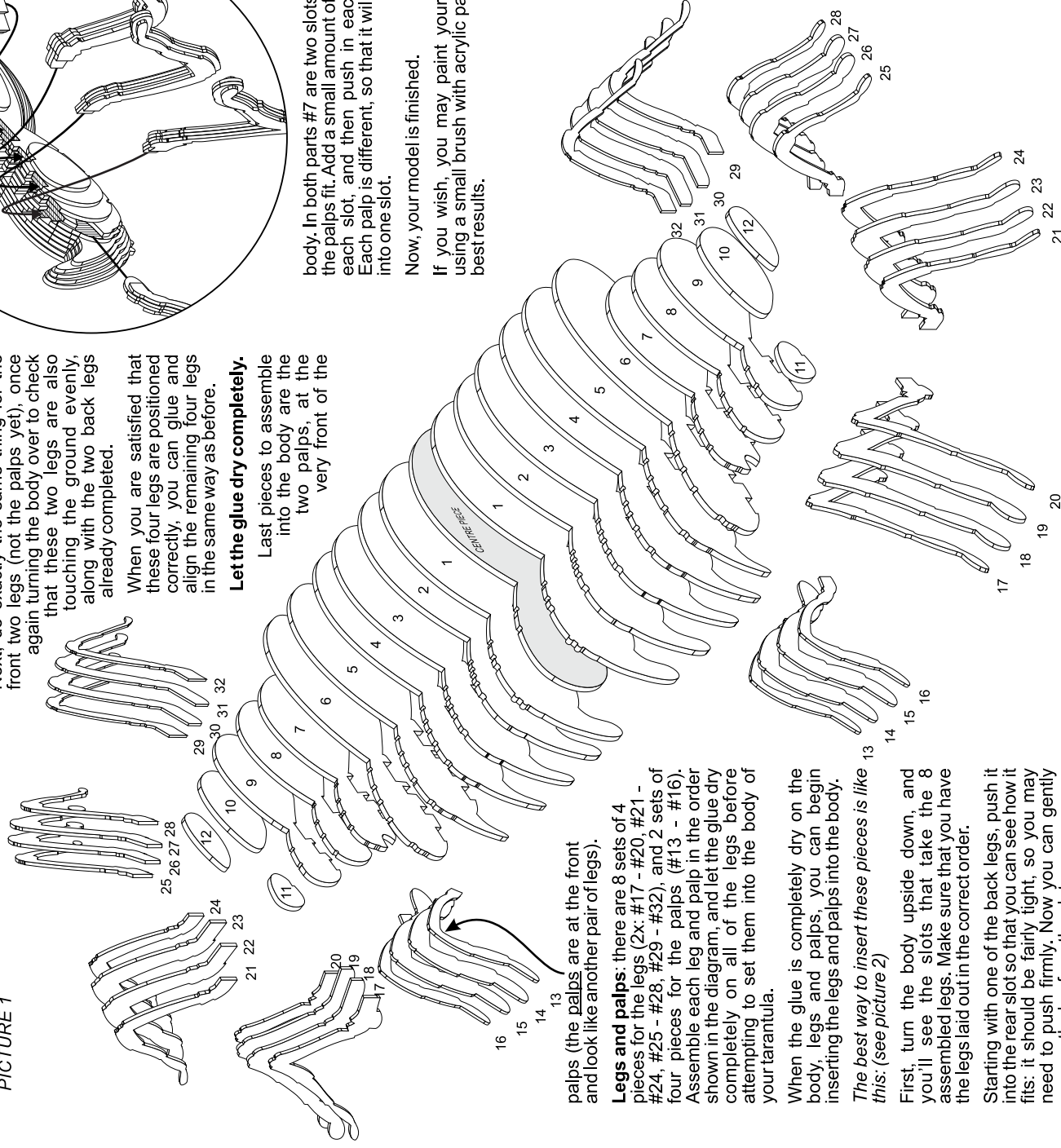
body. In both parts #7 are two slots where the palps fit. Add a small amount of glue to each slot, and then push in each palp. Each palp is different, so that it will only fit into one slot.

Now, your model is finished.

If you wish, you may paint your model using a small brush with acrylic paints for best results.



PICTURE 1



palps (the palps are at the front and look like another pair of legs).

Legs and palps: there are 8 sets of 4 pieces for the legs (2x: #17 - #20, #21 - #24, #25 - #28, #29 - #32), and 2 sets of four pieces for the palps (#13 - #16). Assemble each leg and palp in the order shown in the diagram, and let the glue dry completely on all of the legs before attempting to set them into the body of your tarantula.

When the glue is completely dry on the body, legs and palps, you can begin inserting the legs and palps into the body.

The best way to insert these pieces is like this: (see picture 2)

First, turn the body upside down, and you'll see the slots that take the 8 assembled legs. Make sure that you have the legs laid out in the correct order.

Starting with one of the back legs, push it into the rear slot so that you can see how it fits: it should be fairly tight, so you may need to push firmly. Now you can gently remove the leg from the slot.

Add a small amount of glue to the slot and push the leg back into the slot. Repeat this

This Header
Poly Bag
FOR "KIT"



FOLD

Precision laser-cut model kit, made from 0.8mm plywood for added strength.

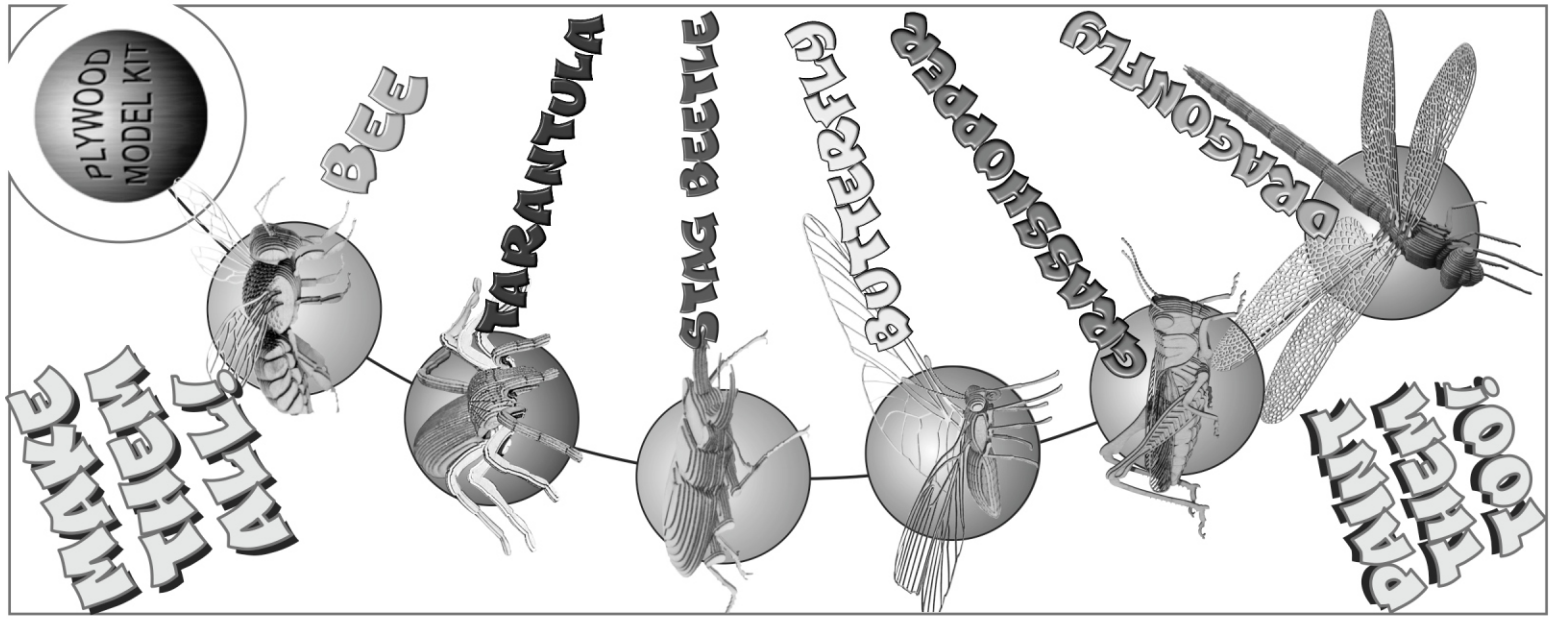
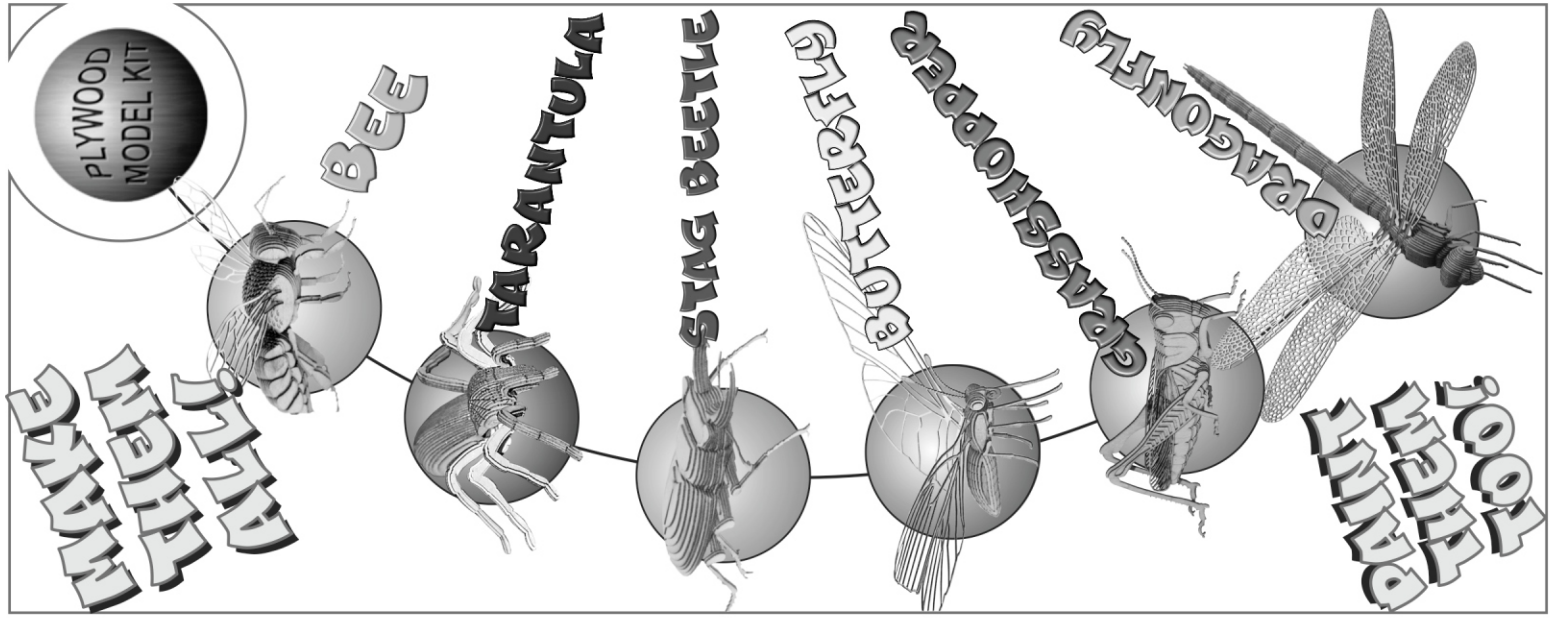
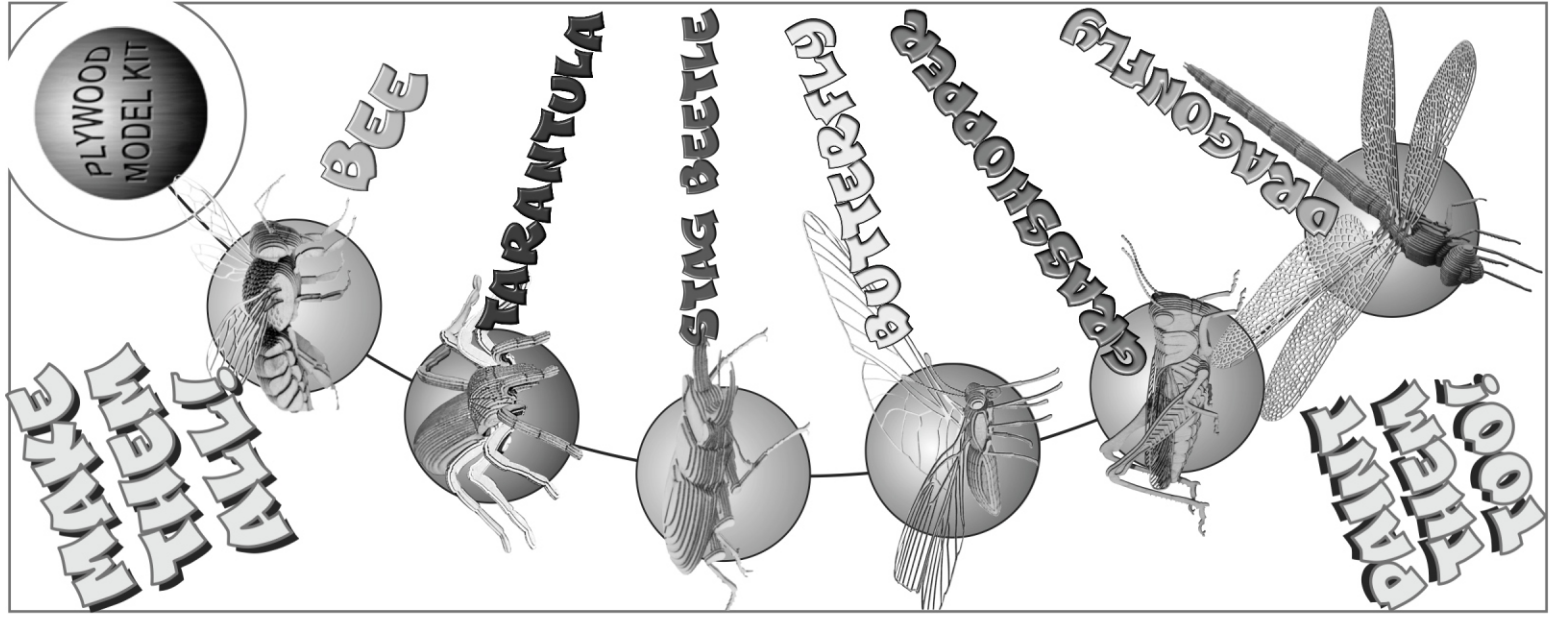
Easy to follow instructions included. No woodworking tools required. Wood glue not included.

Design by pm design shop, British Columbia. © pm design shop. Manufactured by



Cut along dotted lines

Your name here



Unique model kits

Our precision-made plywood model kits are the only ones of their kind, and have been produced with simplicity of construction in mind.

Clear instructions

Each kit contains a sheet of clear, easy to follow instructions with an exploded view of the parts as they should be assembled. In some cases, there are various delicate parts - such as legs - for which we have included extras, just in case.

Every part on the plywood sheet has a number which corresponds to that part on the instruction sheet.

Wood glue

You will need a small tube of wood glue, such as Elmer's - available at your local craft or hardware store, but nothing more than that and a little patience in order to complete each model!

When you have finished making a model, and the glue is completely dry, you may wish to paint or varnish it.

Painting

For painting, we recommend using acrylic paints, which dry fairly quickly, and which are available in many exciting colors how about a metallic colour for the dragonfly wings?

Varnishing

For varnishing, choose a clear or color varnish that you can apply directly to bare wood with a small, soft brush. Applied thinly, these varnishes will also dry quite quickly.

Age group

Our models can be constructed by almost anybody of any age, but we strongly recommend adult assistance for young builders who may not be used to handling small parts as contained in our kits. *Please note:* these display models will not withstand the rigors of toy play!

Happy Modeling!

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MAKE THEM!

PLYWOOD MODEL KIT

BEE

TARANTULA

STAG BEETLE

BUTTERFLY

GRASSHOPPER

DRAGONFLY

MAKE THEM!

This block contains a horizontal sequence of six insect models, each mounted on a colored circular base and connected by a thin line. From left to right, the insects are: a Bee (pink base), a Tarantula (blue base), a Stag Beetle (brown base), a Butterfly (blue base), a Grasshopper (green base), and a Dragonfly (red base). The word 'MAKE THEM!' is written vertically in large, bold, yellow letters on both the left and right sides of the sequence. At the top left, a brown circle contains the text 'PLYWOOD MODEL KIT'.

MAKE THEM!

PLYWOOD MODEL KIT

BEE

TARANTULA

STAG BEETLE

BUTTERFLY

GRASSHOPPER

DRAGONFLY

MAKE THEM!

This block is identical to the first one, featuring a horizontal sequence of six insect models (Bee, Tarantula, Stag Beetle, Butterfly, Grasshopper, Dragonfly) on colored bases, connected by a line. The text 'MAKE THEM!' is written vertically on both sides, and 'PLYWOOD MODEL KIT' is in a circle at the top left.

MAKE THEM!

PLYWOOD MODEL KIT

BEE

TARANTULA

STAG BEETLE

BUTTERFLY

GRASSHOPPER

DRAGONFLY

MAKE THEM!

This block is identical to the previous two, featuring a horizontal sequence of six insect models (Bee, Tarantula, Stag Beetle, Butterfly, Grasshopper, Dragonfly) on colored bases, connected by a line. The text 'MAKE THEM!' is written vertically on both sides, and 'PLYWOOD MODEL KIT' is in a circle at the top left.

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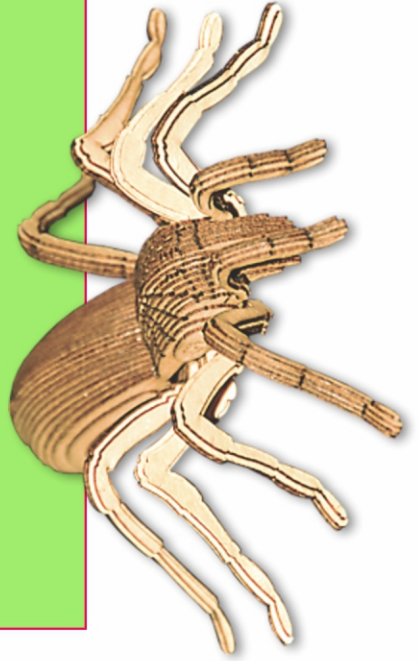
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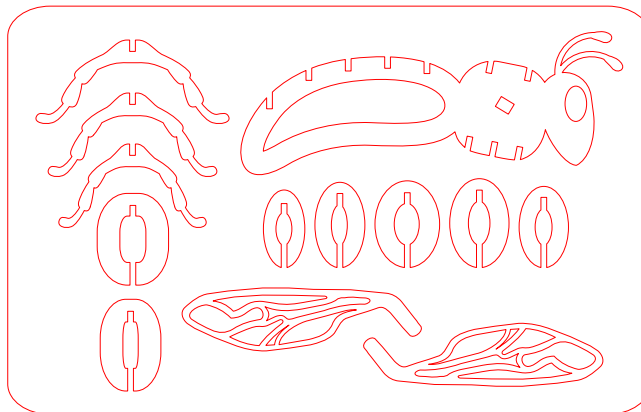
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PRECISION LASER MODELS



WASP mini model



BUTTERFLY mini model

