PITCH
(SCANNED IMAGE)

30 May 2007

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　🗒️ **one blade scanned on A4 size scanner**

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🔲 Yesterday, 12:01 PM   #1   Post Feedback 🔧   Flag for Moderator ⓘ

Çemberci ○
Junior Member

Join Date: Apr 2007
Rep: 10 Posts: 20
Location: Istanbul/Turkey

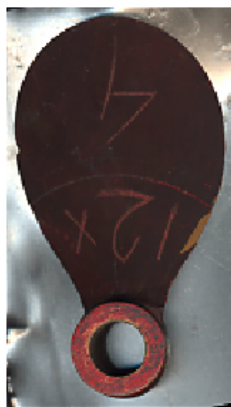**one blade scanned on A4 size scanner**

Dear

Some One who does not know anything about propeller
But he has a Scanner. Then he put his small propeller
on scanner machine scanned the one blade of propeller.
A reference point of scanned image is Propeller diametre.
Can We find its pitch and Dar.
I mean two dimensions Jpeg how to convert three dimensions to calculate propeller pitch and Dar.

Sincerely Yours
Oktay Çemberci

┌─ Attached Thumbnails ─────────────────────────────────────

　　　　　　　　　　　　　　　　　　　　　　　　　　　EDIT   QUOTE   🔳🔳

Main Identity

From: "D MacPherson [HydroComp]"
To: "oktay" <oktay@cembercidenizcilik.com>
Sent: 29 Mayıs 2007 Salı 15:34
Subject: Re: one blade scanned on A4 size scanner

Oktay:

We actually started developing a small software package to determine propeller data from survey photographs. However, we found that there was a lot of error in the results due to camera focal points and perspective.

At minimum, you would need two photographs - front and side - to calculate pitch. (Pitch would be required to get the BAR.) We have done this manually with a little success, but only of the photographs or scans are exactly 90 degrees from each other.

So, you cannot find pitch and BAR from only one scan, and it is very difficult to mathematically find it from front and side scans.

Regards,

Don

Donald M. MacPherson
VP Technical Director
HydroComp, Inc.
email: dm@hydrocompinc.com
www.hydrocompinc.com
tel (603)868-3344
fax (603)868-3366

Drop by for a visit at our new weblog - www.hydrocompinc.com/blog/

Over 20 years of service to more than 500 clients and customers worldwide.

----- Original Message -----
From: oktay
To: info@hydrocompinc.com

Yesterday, 12:45 PM

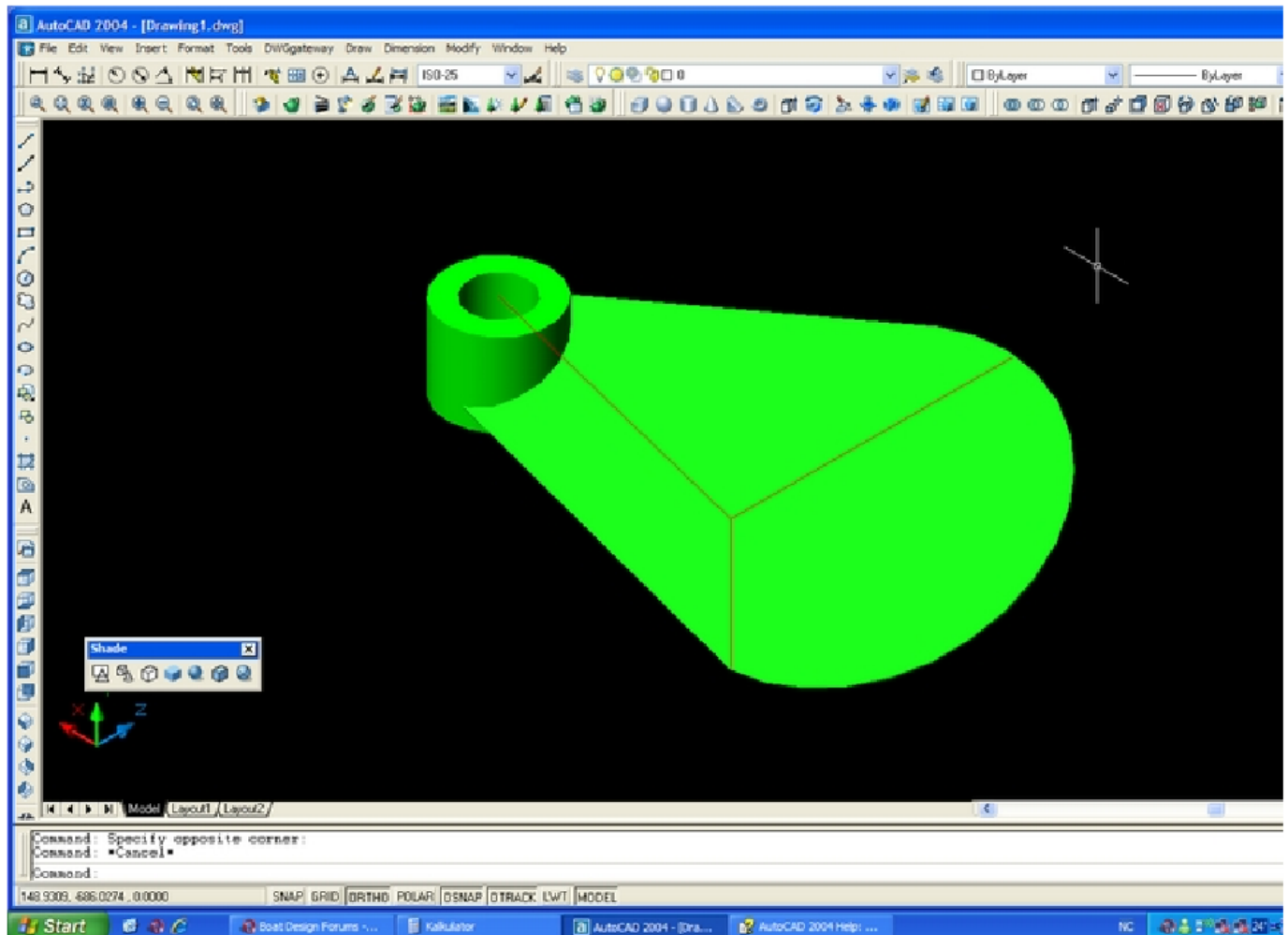**StianM** ○
Senior Member

Pitch is easy.

you can rotate it in the air and by eye try to find out how far the proppeler would travle on one rotati

A more acurate method would be to take some basic meshurement on the blade. Use from center to blade where you can meshure both the width of the blade and the depth and then calculate. Find the the point you did this meshurement and just devide it on the with of the blade and multiply it with the have m/rotation.

Hey! I newer claimed I was a expert in autocad ok?

Yesterday, 05:44 PM   #3   Post Feedback   Flag for Moderator

Join Date: Jan 2004

Raggi_Thor ○
Nav.arch/Designer/Builder

Rep: 101 Posts: 1,898
Location: Trondheim, NORWAY

Stian, I think your picture is very clear and informative!

_____
Regards, Kvedja, mvh,
Ragnar Thor Mikkelsen
www.**MBOATS**.no

QUOTE

Today, 05:57 AM   #4 Post Feedback   Flag for Moderator

StianM ○
Senior Member

Join Date: May 2006
Rep: 60 Posts: 418
Location: Taiwan

Quote:

> Originally Posted by **Raggi_Thor** »
> *Stian, I think your picture is very clear and informative!*

Your too kind, I hope my autocad skils where bether

QUOTE

Today, 06:33 AM   #5 Post Feedback   Flag for Moderator

Raggi_Thor ○
Nav.arch/Designer/Builder

Join Date: Jan 2004
Rep: 101 Posts: 1,898
Location: Trondheim, NORWAY

OK, butt your spellling suckks!

_____
Regards, Kvedja, mvh,
Ragnar Thor Mikkelsen
www.**MBOATS**.no

QUOTE

Today, 06:34 AM   #6 Post Feedback   Flag for Moderator

Raggi_Thor ○
Nav.arch/Designer/Builder

Join Date: Jan 2004
Rep: 101 Posts: 1,898
Location: Trondheim, NORWAY

btw, a propeller blade is twisted, the angle decreases outwards from the center,
I don't think you can do that in plain AutoCAD, but in Rhino....

_____
Regards, Kvedja, mvh,
Ragnar Thor Mikkelsen

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QUOTE

Today, 06:53 AM   #7 Post Feedback
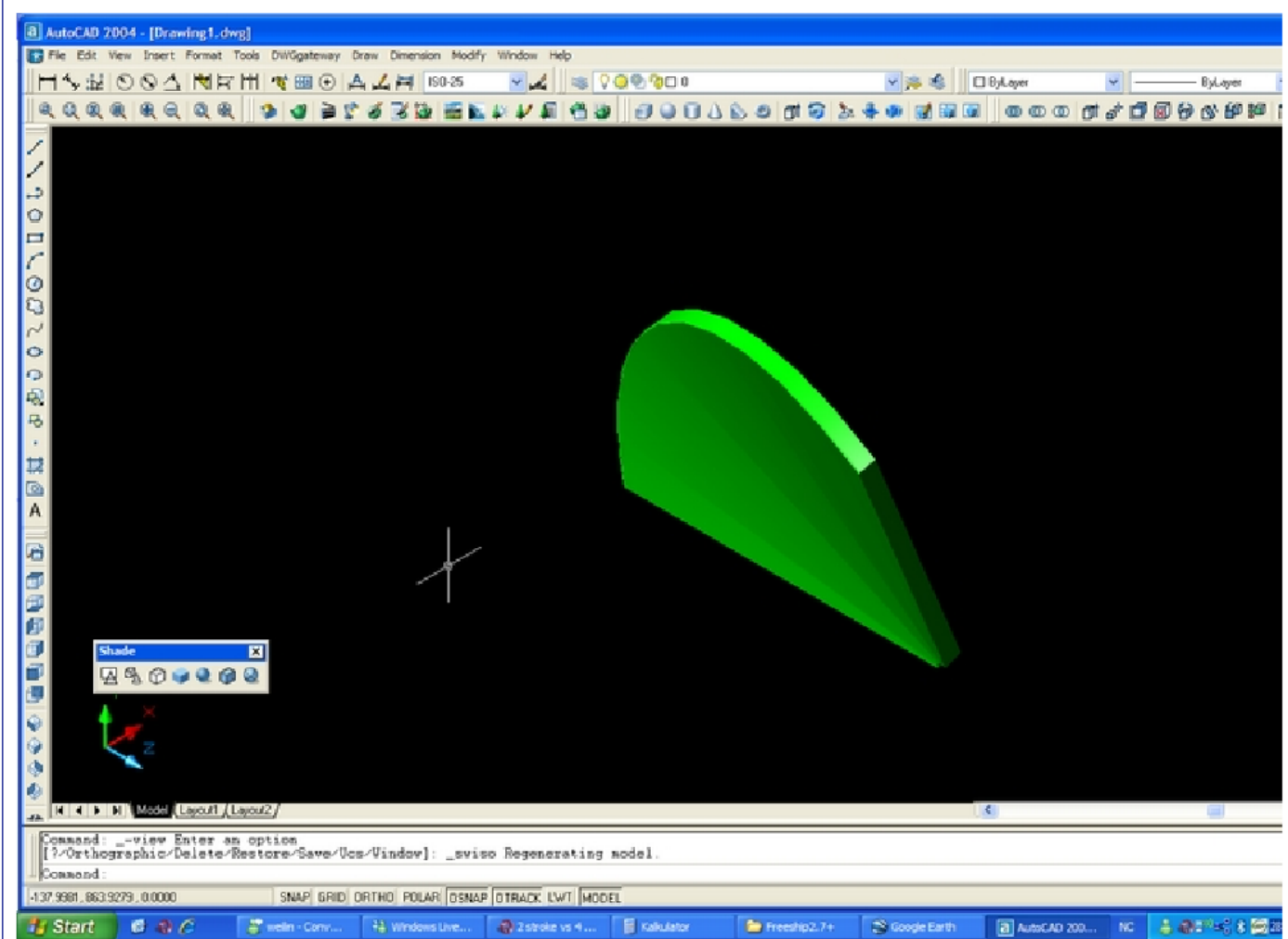
StianM ○
Senior Member

Quote:

Originally Posted by **Raggi_Thor** »
OK, butt your spellling suckks! 😄

Some schools provided good coverage for people with dyselecsia and mine did not and I don't care m
annymore, even our late King Olav had it.

Quote:

Originally Posted by **Raggi_Thor** »
I don't think you can do that in plain AutoCAD, but in Rhino....

I find your lack of faith disturbing

You can do annything in autocad, but some things are harder than others. If you want to draw compl
end up drawing a wireframe witch I don't master.

🟧 Today, 07:02 AM   #8   Post Feedback 🔲   Flag for Moderator ⚠️

Raggi_Thor ○   Join Date: Jan 2004
Nav.arch/Designer/Builder   Rep: 101 Posts: 1,898
                                                          Location: Trondheim, NORWAY

OK, I miss the Loft command...

_____
Regards, Kvedja, mvh,
Ragnar Thor Mikkelsen
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                                                                        QUOTE

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