

Examiner Report

Case Information

Case Number	4
Examiner Name	Justin DWasser
Description	Suspected Industrial Espionage

Evidence

Name	Acquisition MD5	Verification MD5	Evidence Number	Examiner Name
INFA 650 LAB 4	cca76432d5fb575e75962fcc7d83 d6e8	cca76432d5fb575e75962fcc7d83 d6e8	1	UMGC

Prepared by: Justin D Wasser Initials: _____ Date of Report: 10/30/23

Examination

Forensic Tools Used: EnCase v8.10

Summary:

The forensic tool EnCase v8.10 was used to analyze the email files of Jim Shu which contained evidence of suspected industrial espionage. To that point, numerous email files were identified as suspicious and were therefore analyzed further. Analysis of Jim Shu's email files uncovered evidence that included the transmission of documents describing confidential trade secrets as well as discussions of transmitting those trade secrets with external parties (Sam Spade) for various sums of money.

Description of Tasks Performed:

All email files associated with Jim Shu were acquired using the forensic tool EnCase v8.10. The attached examiner report contains all relevant information, including the sender and recipient of suspicious emails, their contents (including attachments) and the dates and times associated with said emails. Examiner's notes/comments can be found directly above each screenshot within the examiner report pdf.

Images

1) Root folder Top of Personal Folders Deleted Items RE: Bike spec's

Comment Recovered from deleted item. Jim Shu sent Sam Spade an email with an attachment with a purposely altered file extension and requesting money from Sam.

From Jim Shu <Jim_shu@comcast.net>

To 5amspade@myway.com <5amspade@myway.com>

Sent 12/04/06 03:07:16 AM Received 12/04/06 03:07:00 AM

Subject RE: Bike spec's

You'll have to change the extension to .jpg.

I'm in need of money, can you send a downpayment?

----Original Message-----

From: Sam [mailto:5amspade@myway.com] Sent: Sunday, December 03, 2006 7:04 PM

To: Jim_shu@comcast.net Subject: RE: Bike spec's

I think I can raise another 5 for you. Do you have something I can look at yet?

--- On Sun 12/03, Jim Shu < Jim_shu@comcast.net > wrote:

From: Jim Shu [mailto: Jim_shu@comcast.net]

To: 5amspade@myway.com

Date: Sun, 3 Dec 2006 18:09:06 -0800

Subject: RE: Bike spec's

How much are you willing to pay me to get these plans to you?Jim-----Original Message -----From: Sam [mailto:5amspade@myway.com] Sent: Sunday, December 03, 2006 5:40 PMTo: jim_shu@comcast. netSubject: Bike spec'sDo you have them yet?I've got people in Asia ready to duplicate them?Sam________No banners. No pop-ups. No kidding.Make My Way

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your home on the Web - http://www.myway.com

No banners. No pop-ups. No kidding.

Make My Way your home on the Web - http://www.myway.com

Attachments

Name AC19.gpj

Last Modification Time 12/04/06 03:06:29 AM

Logical Size 6,720

AC19.gpj

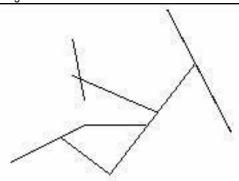
2 AC19 .gpj

Name AC19.gpj

File Created 12/04/06 03:06:29 AM

Last Written Last Accessed

Page 1



3 Root folder \ Top of Personal Folders \ Deleted Items \ FW: problem

Comment Recovered from deleted item. Jim Shu forwarding email to another email account

associated with Jim Shu. Contents detail Bob asking Jim for \$5k in exchange for sending Jim

"plans".

From Jim Shu <Jim_shu@comcast.net>

To jim_shu1@yahoo.com <jim_shu1@yahoo.com>

Sent 12/07/06 11:39:30 PM Received 12/07/06 11:39:00 PM

Subject FW: problem

Prepared by: Justin D Wasser

Initials:

Date of Report: 10/30/23

1	oen99@aol.com[mailto:b		
	day, December 03, 2006	6:05 PM	
1	u@comcast.net		
Subject: pi	roblem		
I'm going to	o need another \$5k to ge	t these plans to you.	
How soon	can you pay up?		
		rehensive set of free safety and s web, free AOL Mail and more.	security tools, free access tomillions of
4 Root fo	Recovered from	Folders\ Deleted Items\ FW: deleted item. Jim Shu forwarding e Jim Shu. Contents detail Bob sendi	email to another email account
From	Jim Shu <jim_shu@comca< td=""><td></td><td></td></jim_shu@comca<>		
То	jim_shu1@yahoo.com <jir< td=""><td>m_shu1@yahoo.com></td><td></td></jir<>	m_shu1@yahoo.com>	
Sent	12/07/06 11:39:03 PM		
Received	12/07/06 11:39:00 PM		
Subject	FW: another sample		
Sent: Sund To: jim_shu	pen99@aol.com[mailto:b day, December 03, 2006 l@comcast.net nother sample	= = = = = = = = = = = = = = = = = = = =	
·			
Prepared b	y: Justin D Wasser	Initials:	Date of Report: 10/30/23

Use this one sparingly. It is too sensative a document.

Bob

Check out the new AOL. Most comprehensive set of free safety and security tools, free access tomillions of high-quality videos from across the web, free AOL Mail and more.

Attachments

Name Tubing Materials.rtf

Logical Size 4,276

Tubing Materials.rtf

5 Tubing Materials.rtf

Name Tubing Materials.rtf

File Created Last Written Last Accessed

Page 1

Materials for Apache 01 Tubing

Carbon fiber -- titanium mesh -ballistic nylon and resin composite used in the tubing of this bicycle will allow the frame to weigh approximately .68 of that of a conventional bicycle (using aluminum alloy) and .85 of titanium frame. Strength is 1.05 to 1.15 of that of titanium frame.

The processes involve layering the titanium screen between layers of carbon fiber and ballistic nylon and binding them with resin under heat (at 215 degrees centigrade, +/- 2.0 degrees) and pressure (37.5 kg/cm2, +/- .5 kg/cm2).

The layering is: 0.2 mm uv resistant colored nylon fabric 0.05 mm resin 0.2 mm oxygen impermiable nylon fabric 0.05 mm resin 0.2 mm ballistic nylon fabric 0.05 mm resin 0.2 mm carbon fiber fabric 0.05 mm resin 0.2 mm titanium screen 0.05 mm resin 0.2 mm ballistic nylon fabric $0.05 \ \mathrm{mm} \ \mathrm{resin}$ 0.2 mm carbon fiber fabric 0.05 mm resin 0.2 mm titanium screen 0.05 mm resin 0.2 mm ballistic nylon fabric 0.05 resin 0.2 mm carbon fiber fabric $0.05 \ \mathrm{mm} \ \mathrm{resin}$ 0.2 mm titanium screen 0.05 mm resin 0.2 mm ballistic nylon fabric 0.05 mm resin 0.2 mm carbon fiber fabric 0.05 mm resin 0.2 mm titanium screen 0.05 mm resin 0.2 mm ballistic nylon fabric 0 . 05 resin

ABC Proprietary
Competition Sensitive-Trade Secret

Page 2

```
0.2 mm carbon fiber fabric
0.05 mm resin
0.2 mm titanium screen
0.05 mm resin
0.2 mm ballistic nylon fabric
0.05 mm resin
0.2 mm carbon fiber fabric
0.05 mm resin
0.2 mm titanium screen
0.05 mm resin
0.2 mm ballistic nylon fabric
0.05 mm resin
0.2 mm carbon fiber fabric
0.05 mm resin
0.2 \ \mathrm{mm} \ \mathrm{titanium} \ \mathrm{screen}
0.05 mm resin
0.2 mm ballistic nylon fabric
0.05 mm resin
0.2 mm ballistic nylon fabric
0.05 mm resin
0.2 mm oxygen impermiable nylon fabric
```

After pressure and heat treatment this material is 6.0 mm in thickness (+/- .05 mm).

A unique process involved is in the operation of the press allowing the creation of near perfect (tolerance of 0.1% deviation on any measured cross section) cylindrical components (which become the tubes of the frame).

The inner surface of the press directly controls pressure and is balanced with the exterior press (both are hydraulic).

Strength and dimensional accuracy as well as dimensional stability are critical, in addition to supporting the rider and equipment routinely found on any bicycle, it supports special equipment including servos and the tube is also the housing for the electronic components (the computer) that automate control of other functions of the bicycle.

ABC Proprietary
Competition Sensitive-Trade Secret

6 Root folder\ Top of Personal Folders\ Inbox\ Bike spec's

Comment

Sam Spade asking Jim Shu about bike specs and relaying that "people in Asia ready to duplicate them".

From Sam <5amspade@myway.con	า>
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Prepared by: Justin D Wasser Initials: Date of Report: 10/30/23

То	jim_shu@comcast.net <jim< th=""><th>n_shu@comcast.net></th><th></th></jim<>	n_shu@comcast.net>	
Sent	12/04/06 01:39:40 AM		
Received	12/04/06 01:39:29 AM		
Subject	Bike spec's		
	ve them yet? ople in Asia ready to duplic	cate them?	
	rs. No pop-ups. No kidding Vay your home on the We	j. -b - http://www.myway.com	
7 Root fo Comment		Folders\Inbox\RE: Bike spec g Jim Shu about bike specs and as	c's king Jim about exchange of money.
From	Sam <5amspade@myway.	com>	
То	Jim_shu@comcast.net <jir< td=""><td>m_shu@comcast.net></td><td></td></jir<>	m_shu@comcast.net>	
Sent	12/04/06 02:14:14 AM		
Received	12/04/06 02:14:02 AM		
Subject	RE: Bike spec's		
We might t	pe able to go \$4000 if it is g	good. Is it? Sam	
From: Jim 5 To: 5amsp Date: Sun,	12/03, Jim Shu < Jim_shu Shu [mailto: Jim_shu@com pade@myway.com 3 Dec 2006 18:09:06 -080 : Bike spec's	ncast.net]	
[mailto:5ar netSubject them?Sam	nspade@myway.com] Ser t: Bike spec'sDo you have	nt: Sunday, December 03, 2006 them yet?I've got people in As No banners. No	Original MessageFrom: Sam 5:40 PMTo: jim_shu@comcast. sia ready to duplicate pop-ups. No kidding.Make My Way
Make My V		b - http://www.myway.com	
Prepared b	y: Justin D Wasser	Initials:	Date of Report: 10/30/23

8 Root folder \ Top of Personal Folders \ Inbox \ RE: Bike spec's

Comment Sam Spade asking Jim Shu about bike specs and relaying that I he may be able to raise more

money for Jim.

From Sam <5amspade@myway.com>

To Jim_shu@comcast.net < Jim_shu@comcast.net>

Sent 12/04/06 03:04:21 AM Received 12/04/06 03:04:09 AM

Subject RE: Bike spec's

I think I can raise another 5 for you. Do you have something I can look at yet?

--- On Sun 12/03, Jim Shu < Jim_shu@comcast.net > wrote:

From: Jim Shu [mailto: Jim_shu@comcast.net]

To: 5amspade@myway.com

Date: Sun, 3 Dec 2006 18:09:06 -0800

Subject: RE: Bike spec's

How much are you willing to pay me to get these plans to you?Jim-----Original Message -----From: Sam [mailto:5amspade@myway.com] Sent: Sunday, December 03, 2006 5:40 PMTo: jim_shu@comcast. netSubject: Bike spec'sDo you have them yet?I've got people in Asia ready to duplicate

them?Sam_____No banners. No pop-ups. No kidding.Make My Way

your home on the Web - http://www.myway.com

No banners. No pop-ups. No kidding.

Make My Way your home on the Web - http://www.myway.com

9 Root folder\Top of Personal Folders\Inbox\RE: Bike spec's

Comment Sam Spade asking Jim Shu about bike specs and relaying that "overseas investors ready to

move" and asking Jim how much money he needs.

From Sam <5amspade@myway.com>

To Jim_shu@comcast.net < Jim_shu@comcast.net >

Sent 12/07/06 02:14:29 AM Received 12/07/06 02:14:19 AM

Subject RE: Bike spec's

I've got some overseas investors ready to move. How much money do you really need to get this started?

Sam

Prepared by: Justin D Wasser	Initials:	Date of Report: 10/30/23
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On Sun	12/03, Jim Shu < Jim_sh	hu@comcast.net > wrote:	
From: Jim S	Shu [mailto: Jim_shu@co	omcast.net]	
	pade@myway.com		
	3 Dec 2006 19:07:16 -0	1800	
Subject: RE	: Bike spec's		
Original Me PMTo: Jim something [mailto: Jim RE: Bikes From: Sam jim_shu@d duplicateth My Way y banners. N	essage From: Sam [m _shu@comcast.netSub I can look atyet? On it n_shu@comcast.net]To: pec'sHow much are you n [mailto:5amspade@m comcast.netSubject: Bik nem?Sam_ our home on the Web - No pop-ups.	oject: RE: Bike spec'sl think I can ra Sun 12/03, Jim Shu < Jim_shu@co : 5amspade@myway.comDate: Su I willing to pay me to get these plans Iyway.com] Sent:Sunday, Decemb Kespec'sDo you have them yet?I'v	ent: Sunday, December 03, 2006 7:04 ise another 5 for you. Do you have omcast.net > wrote:From: Jim Shu in, 3 Dec 2006 18:09:06 -0800Subject: is toyou?JimOriginal Messageber 03, 2006 5:40 PMTo: ie got people in Asia ready to mers. Nopop-ups. No kidding.MakeNo
Make My V	folder∖ Top of Pers on: Jim Shu asking	Veb - http://www.myway.com al Folders\Sent Items\RE: Bike	e spec's ou willing to pay me to get these plans to
Erom	you?".	poot not	
From	Jim Shu <jim_shu@como< td=""><td></td><td></td></jim_shu@como<>		
		n <5amspade@myway.com>	
	12/04/06 02:09:06 AM 12/04/06 02:09:00 AM		
Received			
Subject	RE: Bike spec's	and the most the constraint of	
Jim	are you willing to pay m	ne to get these plans to you?	
From: Sam Sent: Sund	Message n [mailto:5amspade@myday, December 03, 2000] u@comcast.net		
Do you hav	ve them vet?		
_	y: Justin D Wasser	Initials:	Date of Report: 10/30/23

I've got people in Asia ready to duplicate them?
Sam
No banners. No pop-ups. No kidding.
Make My Way your home on the Web - http://www.myway.com

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The following terms and definitions may be used throughout the report.

Prepared by: Justin D Wasser Initials: _____ Date of Report: 10/30/23