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H	1. De	
유 문		Please describe the item application/ the end use of item.
TECHNICAL INFORMATION:	Describe	
S	ij	
	e t	
ZF	the	Provide the item number <u>if applicable</u> : (N95 Mask vs Protective Mask).
P ROP	Item:	
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P	••	
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<u> </u>	2.	a. Provide dimensions / size / tolerances / performance specifications for the item.
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	0	b. List required materials needed to make the product, Including materials of product components, if
	f	applicable.
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	Dec	c. Are there applicable certification requirements to supply this item? (i.e. ISO certification) Are there any
	ijŧ	applicable regulations that apply to the production of this item? (i.e. FDA regulations or EPA regulations)
	Cat	Are there any other standard requirements? (i.e. ASME Standard, IEEE Standard) Please specify.
	Summary of Technical Specifications and	Are there any other standard requirements? (i.e. Asivie Standard, ieee Standard) Please specify.
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	m	d. Describe the manufacturing processes (elaborate to provide as much detail as possible).
	Performance	
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	uirements	f. Additional Comments:
		Is there other information that would impact the item's performance or usefulness? Please explain.

В		Potential Business	Volume Estimate (i.e	e., # Units Per Day, M	lonth, Year):	
INISU						
ESS						
INF		Target Price / Unit	Cost Information:			
BUSINESS INFORMATION:						
TIO		M/honicit poodod	h	Days, 6 months, etc.)	<u>.</u>	
Z	Del	When is it needed	by? (Immediate, 50 i	Jays, 6 months, etc. j	1	
	ive					
	N ₽					
	equ	Describe packagin	g requirements (i.e.,	individually/group p	oackaging).	
	irei					
	Delivery Requirements:					
	its:	Where is this oppo	ortunity located? Is t	here a preferred ship	ping proximity - if appli	cable?
			- 19 o to loove this a		the Matter of Mature d. 7	
Adc					the National Network?	
litic		🗆 3 days	🗆 5 days	🗆 7 days	□ 10 days	Other
ona		Is there other info	rmation you would li	ke to include?		
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Additional Comments:						
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Trading Card Holders

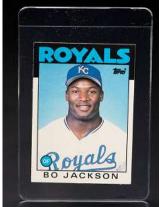


2021-022A

Ξ	1. Describe	
Ë		Please describe the item application/ the end use of item.
NICAL		Semi-rigid holders for trading cards.
Ξ	the	Provide the item number <u>if applicable</u> : (N95 Mask vs Protective Mask).
ÖR	e Ite	
TECHNICAL INFORMATION:	Item:	N/A
<u> </u>	2.	a. Provide dimensions / size / tolerances / performance specifications for the item.
	Summary of Te	Approx 84mm x 122mm. Oversized to hold a 2.5" x 3.5" trading card. Oversized to make it easy to get the card in and out. Plastic is usually 200 - 240um.
		b. List required materials needed to make the product, Including materials of product components, if applicable.
	chnical S	Semi-rigid Polyvinyl Chlorate (PVC), archival safe. 200-240um thickness ranger.
	Summary of Technical Specifications and Performance	c. Are there applicable certification requirements to supply this item? (i.e. ISO certification) Are there any applicable regulations that apply to the production of this item? (i.e. FDA regulations or EPA regulations) Are there any other standard requirements? (i.e. ASME Standard, IEEE Standard) Please specify.
		None that I know of but there may be a market for green sustainable plastic holders as long as they meet the product requirements.
		d. Describe the manufacturing processes (elaborate to provide as much detail as possible).
	Requ	The two sheets of semi-rigid PVC are sealed together to create thin inner pouch for the card. The PVC is then coated in a sealant.
	irements:	f. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.
		Cannot yellow or damage the cards. Archival safe material

B		Potential Business	Volume Estimate (i.	e., # Units Per Day, N	lonth, Year):		
BUSINESS INFORMATION:		On the order of 1000MMs+ of units per year. Company is small right now and just placed a 3MM unit order and will burn through that in about 3 months and if growth continues, company would expect to do 30MM/annual relatively soon.					
INF		Target Price / Unit	Cost Information:				
ORMATI		Flexible and Neg	gotiable				
NO	D	When is it needed	by? (Immediate, 30	Days, 6 months, etc.)			
••	Delivery Requirements:	2021 would be ideal.					
	equ	Describe packagin	g requirements (i.e.,	individually/groupp	ackaging).		
	iiremen	Packed in cardboard boxes of 200. Then those boxes are sold in cases of 2000 usually which is just a corrugated box with a logo usually.					
	its:	Where is this oppo	ortunity located? Is t	here a preferred ship	ping proximity - if appli	icable?	
				EU is also growin out open to any U.	g market. Ideally ne S. location.	ar Pittsburgh as	
A		How long would you like to leave this opportunity open to the National Network?					
diti		🗆 3 days	□ 5 days	🗆 7 days	🗆 10 days	14 Other	
ona		Is there other info	rmation you would li	ike to include?			
Additional Comments:							





Rigid PVC Holders for Trading Cards

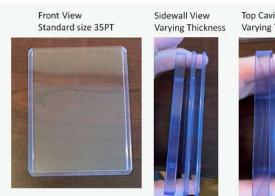


2021-022B

1		
井	1. Describe the Item: 2.	
요		Please describe the item application/ the end use of item.
NICAL		Top loading card holder for trading cards commonly called top loaders.
INFO		Provide the item number <u>if applicable</u> : (N95 Mask vs Protective Mask).
TECHNICAL INFORMATION:		N/A
N.		a. Provide dimensions / size / tolerances / performance specifications for the item.
		Inner cavity holds a standard 2.5" x 3.5" trading card and the holder usually measures 3"x4" total. The inner cavity thickness varies for type of card it is holding from 35PT to 260PT usually being the biggest but least common. Tolerances probably need to be within 1pt on thickness or better. The toploader is made out of thin rolls of rigid pvc which is archival safe. It should not discolor or cause damage to a card and be crystal clear. It is currently glued to a frame to create the cavity but other approaches may be worth exploring.
	of Te	b. List required materials needed to make the product, Including materials of product components, if applicable.
	Summary of Technical Specifications and	~200um rigid Polyvinyl Chlorate (PVC) archival safe. I assume the frame is also rigid pvc and it comes in varying thickness in order to create the cavity for the card.
	pecificatio	c. Are there applicable certification requirements to supply this item? (i.e. ISO certification) Are there any applicable regulations that apply to the production of this item? (i.e. FDA regulations or EPA regulations) Are there any other standard requirements? (i.e. ASME Standard, IEEE Standard) Please specify.
		None that are known. There may be a market for green sustainable plastic holders as long as they meet the product requirements.
	Performance	d. Describe the manufacturing processes (elaborate to provide as much detail as possible).
	ce Requirements:	The thin sheets of rigid PVC are glued to the frame by hand (per the manufacturer). The frames are laid down in a big grid and the sheet is glued to the frame and then the holders are cut by a press. This product seems like it is a good candidate for automation because hand gluing leads to quality errors.
	nts:	f. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.

B		Potential Business	Volume Estimate (i.e	e., # Units Per Day, N	lonth, Year):		
BUSINESS INFORMATION:					and just placed a 1.4N mpany would expect to		
NF		Target Price / Unit	Cost Information:				
ORMATI		Flexible and Neg	gotiable				
N N	D	When is it needed	by? (Immediate, 30 [Days, 6 months, etc.)			
	Delivery Requirements:	This year would be ideal but company can wait for the right design/process to be built which will disrupt this market and that may take time. The first step may be replicating the current process and then working towards and automated improved process.					
	equ	Describe packagin	g requirements (i.e.,	individually/groupp	oackaging).		
	iiremen				5-100PT. Beyond that p which is just a corrugate		
	ts:	Where is this oppo	ortunity located? Is th	nere a preferred ship	ping proximity - if appl	icable?	
			biggest markets. company is locat	-	g market. Ideally ne ny U.S. location.	ar Pittsburgh as	
A		How long would ye	ou like to leave this o	pportunity open to	the National Network?		
diti		□ 3 days	🗆 5 days	🗌 7 days	🗆 10 days	<u>14</u> Other	
ona		Is there other information you would like to include?					
Additional Comments:							





Top Cavity View Varying Thickness



Sleeve and bags for trading cards



2021-022C

E	1. Describe	
CHNICA		Please describe the item application/ the end use of item.
		Thin sleeves and bags for trading cards.
	e the	
FO	ie It	Provide the item number <u>if applicable</u> : (N95 Mask vs Protective Mask).
TECHNICAL INFORMATION:	Item:	N/A
Z	2.	a. Provide dimensions / size / tolerances / performance specifications for the item.
	. Summary of Technical Specifications and	These can vary depending upon use and some are for specialized uses. Most common holds a single standard 2.5"x3.5" card and is usually called a soft sleeve or penny sleeve. Large bags are called team bags and can hold about 25 cards and come with a resealable flap. More specialized bags hold grade cards and are sized to fit exactly for a tight sleek fit. See pictures for examples.
		b. List required materials needed to make the product, Including materials of product components, if applicable.
	chnica	Soft polyurethane that is archival safe.
	pecificat	c. Are there applicable certification requirements to supply this item? (i.e. ISO certification) Are there any applicable regulations that apply to the production of this item? (i.e. FDA regulations or EPA regulations) Are there any other standard requirements? (i.e. ASME Standard, IEEE Standard) Please specify.
	ons and Perf	None that I know of but there may be a market for green sustainable plastic holders as long as they meet the product requirements.
	Performance	d. Describe the manufacturing processes (elaborate to provide as much detail as possible).
	Requ	It looks like the two sheets of soft poly are sealed together to create thin inner pouch for the card. Not sure on the sealing process.
	lirements:	
	ts:	f. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.
		Cannot yellow or damage the cards. Archival safe material

В		Potential Business	Volume Estimate (i.	e., # Units Per Day, M	lonth, Year):	
BUSINESS INFORMATION:		On the order of 1000MMs+ of units per year. Company is small right now and I just placed a 5MM unit order and will burn through that in about 3 months and if my growth continues. Company would expect to do 50MM/annual relatively soon. Company also has a new design that is patent pending and expect it to become the industry standard so the opportunity could be much bigger.				
INF		Target Price / Unit	Cost Information:			
ORMAT		Flexible and neg	otiable.			
NO	D	When is it needed	by? (Immediate, 30	Days, 6 months, etc.)		
	Delivery Requirements:	This year would be ideal.				
	equ	Describe packaging requirements (i.e., individually/group packaging).				
	iremen	Packed in bags of 100 sleeves. Those sleeves are sold in cases of 100 bags (10000 sleeves) usually which is just a corrugated box with a logo usually.				
	Its:	Where is this oppo	ortunity located? Is t	here a preferred ship	ping proximity - if appl	icable?
				EU is also growing ed, but open to ar	g market. Ideally ne ny U.S. location.	ar Pittsburgh as
Ac		How long would ye	ou like to leave this c	opportunity open to t	the National Network?	
diti		🗆 3 days	□ 5 days	🗆 7 days	🗆 10 days	<u>14</u> Other
ona		Is there other information you would like to include?				
Additional Comments:						

