

No.11A Application for Permission to Install Heavy Items [No Charge]

Submit to

IPF Association

E-mail: office_ipfjapan@ipfjapan.jp FAX: +81-3-6630-7068 TEL: +81-3-6273-2966

Exhibitor				Date:	
Section / Department					
Contact: Mr./Ms.				Booth No.	
TEL		E-mail			

We hereby submit the following Application for Permission to Install Heavy Items.

☐ Installing heavy items (machinery, decorative items, etc.) weighing more than 5 tonnes .	→	Please submit the following documents: 1) No.11A Application for Permission to Install Heavy Items 2) No.11B List of Heavy Items 3) Booth Layout of Heavy Items 4) Detailed Documentation of Heavy Items In addition to 1) through 4), please submit the following documents 5) No.11C List of Vehicles Moving-in / out Heavy Items 6) Heavy Items Loading / Unloading Work Plan.
☐ Using transport vehicles (trailers, etc.) with a gross weight (vehicle weight + cargo weight) exceeding 30 tonnes .	→	
☐ Conducting crane operations where the load on a single outrigger exceeds 7 tonnes .	→	
☐ None of the above applies.	→	

No notification is required. Layout and work inside the booth should be done with care so that the load will not be applied to the electrical / mechanical / sub-pit.

[Details of documents]

1) This document: No. 11A Application for Permission to Install Heavy Items

2) No.11B List of Heavy Items

Please make a list of the heavy items you plan to install. See the following pages for the form of the list.

3) Booth Layout of Heavy Items

Please refer to the "PC Panels Layout for Heavy Items (over 5 tonnes)" that can be found on the IPF Japan official website. Submit a layout drawing of the heavy items to be installed in your booth. The drawing should be prepared in accordance with the instructions on the following pages.

4) Detailed Documentation of Heavy Items

Please submit a catalog or design drawing showing the exact dimensions and grounding of the heavy items you intend to install.

5) No.11C List of Vehicles Moving-in / out Heavy Items

Please submit a list of all heavy vehicles you plan to use. See the following pages for the form of the list.

6) Heavy Items Loading / Unloading Work Plan

Please refer to the "PC Panels Layout for Heavy Items (over 5 tonnes)" drawing available on the IPF Japan website. Please make a work plan drawing for loading and unloading heavy items. The drawings should be made according to the instructions on the following pages.

For documents 3) and 6), Makuhari Messe may request that heavy items and carrying-in / out vehicles / outriggers be repositioned, and that steel plates be installed to distribute the weight of the items.

Makuhari Messe will provide a plan for laying steel plates to distribute the load based on the submitted drawings. (Exhibitors will be responsible for laying steel plates inside their booths, and the Organizer will be responsible for laying them in the shared aisles.)

Attention

Approval from the venue (Makuhari Messe) is required for the delivery and installation of heavy items. Exhibitors who do not submit the required documents or do not obtain approval from Makuhari Messe may be refused entry into the venue. Please be sure to thoroughly check the exhibition manual before making plans to avoid damaging the floor surface of the venue. If the floor is damaged, there is a risk of substantial compensation charges being imposed. We ask that you take the most careful action to avoid such damages.

No.1 1B List of Heavy Items [No Charge]

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Exhibitor				Date:		
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Contact: Mr./Ms.				Booth No.		
TEL			E-mail			

*You can download the application forms as an Excel file from the IPF Japan website.

■ List of Heavy Items (more than 5 tonnes) In case of demonstrations and other installations involving operation where the dynamic load exceeds 5 tonnes.

No.	Display items	Basic machine weight (a) *Static load	Weight of ancillary equipment (b) *Only if load is applied to the machine	Total weight (a+b)	Demonstration (operation of machine)	Dynamic load
Example	Injection Molding Machine [A] IPFMC-100	6.60 t	Mold 0.8 tonnes, take-out robot 0.4 tonnes, hopper dryer 0.2 tonnes	8.00 t	Yes	8.20 t
Example	Injection Molding Machine [C] IPFMC-300J	18.00 t	None	18.00 t	No	
Example	Printing Machine IPFPRN-02V	8.00 t	None	8.00 t	Yes	9.20 t
②-1						
②-2						
②-3						
②-4						
②-5						
②-6						
②-7						
②-8						
②-9						
②-10						
②-11						
②-12						
②-13						
②-14						
②-15						

Remarks

No.1 1C List of Vehicles Moving-in/out Heavy Items (1/2) [No Charge]

Submit to

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Exhibitor				Date:		
Section / Department						
Contact: Mr./Ms.				Booth No.		
TEL			E-mail			

*You can download the application forms as an Excel file from the IPF Japan website.

List of Vehicles Moving-in / out Heavy Items

1) List of Moving-in / out Vehicles with Total Weight Exceeding 30 tonnes

No.	Machine to be exhibited	Vehicle weight (a)	Vehicle name	Machine weight (b)	Total weight (a+b)
Example	Injection Molding Machine [B] IPFMC-501 clamping side	14.70 t	Isuzu Giga 6WG1-TCC	23.60 t	38.30 t
⑤-1					
⑤-2					
⑤-3					
⑤-4					
⑤-5					

2) List of Crane Lifting Operations with a Load Exceeding 7 tonnes per Outrigger

No.	Machine to be exhibited	Machine weight (a)	Crane truck type	Crane truck weight (b)	Total weight (a+b)	Maximum load per outrigger
Example	Injection Molding Machine [A] IPFMC-100	8.00 t	Tadano GR-250N	25.60 t	33.60 t	8.40 t
Example	Injection Molding Machine[B] IPFMC-501 clamping side *Two crane trucks are used to hoist the load together.	23.60 t	Tadano GR-250N	25.60 t	37.40 t	9.35 t
			Tadano GR-250N	25.60 t	37.40 t	9.35 t
1						
2						
3						
4						
5						
6						
7						

Remarks

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No.11C List of Vehicles Moving-in/out Heavy Items (2/2)

*You can download the application forms as an Excel file from the IPF Japan website.

■ List of Vehicles Moving-in / out Heavy Items

3) Drawings of moving-in / out vehicles with total weight exceeding 30 tonnes *Wheelbase, tread, and axle weight should be clearly indicated.

No.	⑤-1						
Load				Vehicle name			
	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	Total weight
Vehicle Weight							
Load Weight							
Total Weight							
Vehicle drawing (draw or attach)							

No.	⑤-2						
Load				Vehicle name			
	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	Total weight
Vehicle Weight							
Load Weight							
Total Weight							
Vehicle drawing (draw or attach)							

No.11 Guidelines for the Heavy Item Forms (No.11A-11C) 1/2

(1) Load Capacity of Exhibition Hall

Floor 5 tonnes/m² and 5 tonnes per PC panel (Precast Concrete). PC panel size is 2m (east-west direction) x 5m (north-south direction).

*Under the concrete floor is a cavity. The structure is supported by concrete slabs with columns and beams. It is not visible from the outside. The second floor of the building is the exhibition hall, and under the floor is the vacant space.

*PC panel size is different for the hall's boundary area. Please check "PC Panels Layout for Heavy Items (over 5 tonnes)" on the IPF Japan website.

Pit lid 5 kg/cm² (This is a rough guide. It is not possible to indicate the exact load capacity structurally, so please do not apply loads.)

(2) List of Heavy Items

Example *You can download the application forms as an Excel file from the IPF Japan website.

List of heavy items (more than 5 tonnes) In case of demonstrations and other installations involving operation, dynamic load over 5 tonnes.

No.	Display items	Basic machine weight (a) *Static load	Weight of ancillary equipment (b) *only if load applies to the machine	Total weight (a+b)	Demonstration (operation of machine)	Dynamic load
Example	Injection Molding Machine [A] IPFMC-100	6.60 t	Mold 0.8 tonnes, Take-out robot 0.4 tonnes, Hopper dryer 0.2 tonnes	8.00 t	Yes	8.20 t
Example	Injection Molding Machine [C] IPFMC-300J	18.00 t	None	18.00 t	No	
Example	Printing Machine IPFPRN-02V	8.00 t	None	8.00 t	Yes	9.20 t

(3) Booth Layout of Heavy Items

Booth Layout of Heavy Items should be made according to the following instructions.

How to Submit the Booth Layout Diagram Example *You can download the application forms as an Excel file from the IPF Japan website.

→Prepare a drawing.

①Please prepare an accurate reduced scale drawing (for example 1/100, 1/50 etc.).

②Please mark the location of pits (electric cable, machine and sub pits) in the drawing.

*Electric cable pits and machine pits are laid out in an east-west direction (extending from left to right on the booth drawing) in 6m intervals. The size of the pit lid area has a width of 80 cm and the beam area has a width of 10 cm x 2 = 20 cm.

*Sub pits are laid out in a south-north direction (up and down the booth drawing) in 15m intervals. The size of the lid area has a width of 25 cm. There is no beam area.

③To understand which side is up / down and left / right, please include names of companies adjacent to your booth.

→Work on the actual layout.

④Please locate the position of each machine accurately in the drawing.

⑤ If the total load on one PC panel exceeds 5 tonnes, distribute the load to other PC panels.

As a general rule, the load dispersal should be addressed by laying steel plates.

Each steel plate to be laid out should be at least 22 mm thick and at least 2 m x 1.5 m in size.

⑥Please include the following on the drawing

a. Weight of heavy items (machinery / decoration, etc.) by itself, with or without demonstration

b. Grounding points and ground surface area (shape)

c. Static load applied to each grounding point (if the exhibit is operated, also include dynamic load)

⑦Makuhari Messe will provide a plan for the location of steel plates, etc. to distribute the load based on the submitted documents.

★Tip: How to make an arrangement so that you don't need to use steel plates under the machine to protect it.

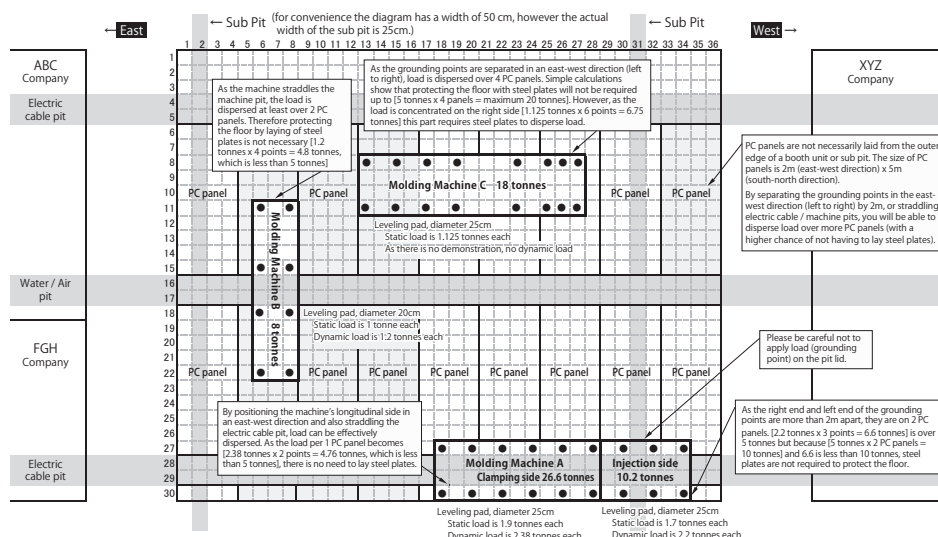
→You need to disperse load over as many PC panels as possible.

IMMA : Position machine's longitudinal side in an east-west direction.

IMMB : Straddle the electric cable / machine pits (the sub pit is not relevant, so make sure the legs are not on the pit lids)

IMMC : Only molding machine C needs steel plates for load dispersion. (See the chart below)

● Below is an example of one booth with 30 units [6 units (18m) x 5 units (15m). One grid square is 50 cm]



No.11 Guidelines for the Heavy Item Forms (No.11A–11C) 2/2

(4) Detailed Documentation of Heavy Items

Please submit a catalog or design drawing showing the exact dimensions and grounding of the heavy items you plan to install.

(5) List of Vehicles Moving-in / out Heavy Items

Please make a list of trailers or crane trucks and the total weight of the vehicles plus loads that exceed 30 tonnes.

Example *You can download the application forms as an Excel file from the IPF Japan website.

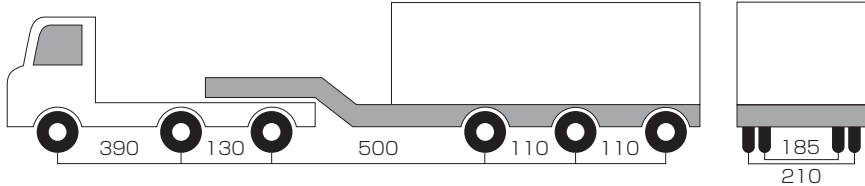
1) List of Moving-in / out vehicles with Total Weight Exceeding 30 tonnes

No.	Machine to be exhibited	Machine weight (a)	Vehicle name	Vehicle weight (b)	Total weight (a+b)
Example	Injection Molding Machine [B] IPFMC-501 clamping side	23.60 t	Isuzu Giga 6WG1-TCC	14.70 t	38.30 t

2) List of Crane Lifting Operations with a Load Exceeding 7 tonnes per Outrigger

No.	Machine to be exhibited	Machine weight (a)	Crane truck type	Crane truck weight (b)	Total weight (a+b)	Maximum load per outrigger
Example	Injection Molding Machine [A]IPFMC-100	8.00 t	Tadano GR-250N	25.60 t	33.60 t	8.40 t
Example	Injection Molding Machine [B] IPFMC-501 clamping *Two crane trucks are used to hoist the load together.	23.60 t	Tadano GR-250N	25.60 t	37.40 t	9.35 t
			Tadano GR-250N	25.60 t	37.40 t	9.35 t

3) Drawings of moving-in / out vehicles with total weight exceeding 30 tonnes *Wheelbase, tread, and axle weight should be clearly indicated.

No.	⑤-1						
Load	Injection Molding Machine [B] IPFMC-501 clamping side			Vehicle name	Isuzu Giga 6WG1-TCC		
	A	B	C	D	E	F	Total weight
Vehicle Weight	5.00 t	2.10 t	2.20 t	1.80 t	1.80 t	1.80 t	14.70 t
Load Weight	0.50 t	4.80 t	4.80 t	4.50 t	4.50 t	4.50 t	23.60 t
Total Weight	5.50 t	6.90 t	7.00 t	6.30 t	6.30 t	6.30 t	38.30 t
Vehicle drawing 							

(6) Heavy Items Loading / Unloading Work Plan

Heavy Items Loading / Unloading Work Plan should be made according to the following guidelines.

- ① Please prepare a copy of the Booth Layout of Heavy Items drawing that you made.
- ② Please add the following items to the drawing.
 - a. Stopping position for heavy items carrying in / out vehicles with a total weight exceeding 30 tonnes of vehicle and loading weight.
 - b. Crane truck stopping position and outrigger grounding position.
 - c. Maximum pressure value at the outrigger ground position during lifting.
- ③ Exhibitors may be asked to spread out the load by laying steel plates on the passage routes and stopping positions of vehicles and crane trucks with a total weight exceeding 30 tonnes.

*Exhibitors are responsible for laying steel plates in their booths, and the Organizer is responsible for the shared aisles.
- ④ When conducting crane operations using outriggers, load distribution as described below is required based on the gross weight (crane truck's self-weight + weight of the lifted load). In all cases, ensure that the outriggers are positioned centrally over both the steel plates and the outrigger pads.
 - a. 7 tonnes or less per outrigger point
Load distribution using the outrigger pads supplied with the crane truck (approximately 50 cm × 50 cm). (Do not place on covers of electrical/mechanical pits or sub-pits.)
 - b. More than 7 tonnes up to 15 tonnes per outrigger point
Load distribution using the outrigger pads supplied with the crane truck combined with steel plates (minimum 22 mm thick, measuring more than 1.2 m × 2 m).
 - c. More than 15 tonnes up to 30 tonnes per outrigger point
Load distribution using the outrigger pads supplied with the crane truck combined with steel plates (minimum 22 mm thick, measuring more than 1.2 m × 2 m), or load distribution using H-section steel beams. When using steel plates, position a single plate spanning across the electrical/mechanical pit so that the load is distributed evenly across 4 precast concrete (PC) panels.
 - d. More than 30 tonnes per outrigger point
Please contact us in advance.
- ⑤ Makuhari Messe will provide a plan for the location of steel plates and H-section steel to distribute the load based on the submitted documents.

★ Tip: How to stop a vehicle without laying down steel plates
* You will need to disperse the load over as many PC panels as possible.
Tires on both ends of the vehicle should be stopped over the electrical and mechanical pits (sub-pits are not relevant).
- ⑥ The route from the entrance of the hall to the stopping position will be adjusted based on your submitted documents.