

**Inert Gas Dross Cooler (IGDC)**  
**Questionnaire (Confidentiality Respected)**

COMPANY NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CONTACT NAME: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX N°: \_\_\_\_\_  
 E-MAIL ADDRESS: \_\_\_\_\_  
 DATE: \_\_\_\_\_

QUESTIONS		FURNACE TYPE			
		# 1	# 2	# 3	# 4
<b>INFORMATION REQUIRED FOR SIZING OF IGDC</b>					
<b>1</b>	<b>YEARLY PRODUCTION FOR THE PLANT (tons/year):</b>				
	a) Dross				
	b) Aluminium (production or remelt)				
<b>2</b>	<b>DESCRIPTION OF PROCESS:</b>				
	a) Furnace capacity (M.T.)				
	b) Indicate "M" for melter or "H" for holder				
	c) Number of casts per day				
	d) Number of casting days per year				
	e) Number of furnaces of this type				
<b>3</b>	<b>DESCRIPTION OF WORKING AREA:</b>				
	a) Height of furnace sill (m)				
	b) Width of furnace openings (m)				
	c) Maximum available capacity of fork lift (kg)				
	d) Any functional limitation(s) in working area? If so, please describe on drawing.				

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<b>4</b>	<b>FAMILIES OF ALLOYS PRODUCED (%) :</b>				
	a)				
	b)				
	c)				
<b>5</b>	<b>SKIMMING SCHEDULE:</b>				
	a) Frequency per batch				
	b) Minimum interval between skimmings (hrs)				
<b>6</b>	<b>AMOUNT OF DROSS COLLECTED AT EACH BATCH SKIMMING (kg):</b>				
	a) Average (kg)				
	b) Maximum (kg)				
<b>7</b>	<b>FURNACE CLEANING SCHEDULE:</b>				
	a) Frequency (ex. every week = 7) (days)				
	b) Minimum interval between 2 furnaces (days)				
<b>8</b>	<b>AMOUNT OF DROSS COLLECTED AT EACH CLEANING (kg):</b>				
	a) Average (kg)				
	b) Maximum (kg)				
<b>9</b>	<b>DRY OR WET DROSSES:</b>				
	DRY: Ashy and reactive (%)				
	WET: Heavy and not much reactive (%)				
<b>10</b>	Dross density (approx.) (kg/m <sup>3</sup> )				
<b>11</b>	Which process are you using for dross cooling?				
<b>12</b>	Which process are you using to recover aluminium after cooling?				
<b>13</b>	What is the average metal recovery from the dross currently generated? (%)				
<b>14</b>	Are your drosses sold at a fix price per ton, or is the price based on dross aluminium content?				

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15	YOUR COMMENTS (OPTIONAL):				
<b>OTHER INFORMATION</b>					
16	Temperature of metal in furnace at the time of skimming				
17	Type of flux salt used (kg)				
18	Any other special treatment as degassing or other? Specify.				
19	How is the alloy mixed in the furnace? By hand, fork lift, molten metal pump, or other?				
20	<b>RATIO HOT METAL TO COLD METAL, TYPE OF COLD METAL:</b>				
	a) Heavy scrap (%)				
	b) Clean light scrap (%)				
	c) Coated light scrap (%)				

**NOTE :** ALL THE INFORMATION PROVIDED IN THIS QUESTIONNAIRE WILL BE HELD CONFIDENTIAL BY STAS.